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**Body and Canard Effects on
an Attached-Flow Maneuver
Wing at Mach 1.62**

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and William H. Mason

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Body and Canard Effects on an Attached-Flow Maneuver Wing at Mach 1.62

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INTRODUCTION

An attached-flow maneuver-wing concept for supersonic speeds has been developed, experimentally verified, and reported in references 1, 2, and 3. This maneuver-wing concept focuses on the flow in the crossplane which is normal to the longitudinal axis. As pointed out by Jones in reference 4, the crossflow velocity field plays the dominant role in establishing the flow-field characteristics of highly swept wings. For maneuvering conditions, the crossflow velocity field on the wing upper surface forms into subsonic and supersonic regions which are highly nonlinear flows. Consequently, the methods used to analyze and/or design for mixed crossflow regions must properly account for these nonlinearities. (For example, see ref. 5.)

The attached-flow maneuver-wing concept for supersonic high-lift conditions applies camber and thickness to control the upper-surface crossflow. Specifically, the upper-surface crossflow is expanded around the wing leading edge to supercritical conditions and then is compressed isentropically to subcritical-crossflow conditions. Shockless, attached flow is maintained over the entire wing surface to minimize drag. To prove the concept, an isolated conical wing (frequently referred to herein as wing alone) was designed to achieve a spanwise section lift coefficient of 0.457 at a Mach number M of 1.62 and at an angle of attack α of 10° . An experimental program (ref. 2) was conducted on the isolated conical wing and the design goals were realized. The further development of the attached-flow maneuver-wing concept for supersonic high-lift conditions focused on body and canard effects on the conical wing of reference 2 and on the nonconical isolated wing of reference 3.

The purpose of this paper is to report the results of the experimental test program which addressed the effects of a body and canards on the performance of the isolated conical wing. The conical-wing model was modified to accept a cone-cylinder body and canards. The canards had 10° of dihedral and were located above the wing plane. The cambered wing-body configuration was tested with two different forebody shapes, and the cambered wing-body-canard configuration was tested with three canard incidence angles. This same test matrix, but without one forebody shape, was repeated for an uncambered (flat) wing which had the same planform and essentially the same thickness distribution as the cambered wing. Longitudinal force and moment data and static-pressure data were obtained in the Langley Unitary Plan Wind Tunnel (ref. 6) at a Mach number of 1.62 and a Reynolds number of 2.0×10^6 per foot. The angle of attack ranged from -2° to 12° , but most of the cambered-wing data were taken between 8° and 12° , inclusive, and most of the uncambered-wing data were taken between 2° and 9° , inclusive. Photographs of oil-flow patterns on the upper surface for the canard-on and canard-off configurations were obtained at $\alpha \approx 10^\circ$ for the cambered-wing models and at $\alpha \approx 6^\circ$ for the uncambered-wing models.

SYMBOLS

The moment reference point is 22.88 in. behind the apex of the body on the centerline and 0.75 in. below the model reference line. Symbols in parentheses are used in the appendix tables.

(CA)	axial-force coefficient with wing-base and body-cavity axial force removed, $\frac{\text{Axial force}}{q_\infty S}$
(CAB)	axial-force coefficient of wing base, outboard of 21-percent semispan
(CAC)	axial-force coefficient of body cavity, inboard of 21-percent semispan
C_D	(CD) drag coefficient with wing base and body cavity drag removed, $\frac{\text{Drag}}{q_\infty S}$
	(CDB) drag coefficient of wing base, outboard of 21-percent semispan
	(CDC) drag coefficient of body cavity, inboard of 21-percent semispan
$C_{D,o}$	drag coefficient at zero lift for uncambered wing
ΔC_D	incremental drag-due-to-lift coefficient, $C_D - C_{D,o}$
$\frac{\Delta C_D}{\beta C_L^2}$	linear-theory lifting-performance parameter
C_L	(CL) lift coefficient, $\frac{\text{Lift}}{q_\infty S}$
C_m	(CM) pitching-moment coefficient, $\frac{\text{Pitching moment}}{q_\infty S l}$
(CN)	normal-force coefficient, $\frac{\text{Normal force}}{q_\infty S}$
C_p	(CP) local pressure coefficient, $\frac{p - p_\infty}{q_\infty}$
(HO)	free-stream stagnation pressure
L/D	lift-drag ratio
l	model reference length (wing centerline chord length), 24 in.
M	(MACH) free-stream Mach number

p		local static pressure
p_∞	(P)	free-stream static pressure
q_∞	(Q)	free-stream dynamic pressure
R	(RE/FT.)	free-stream Reynolds number per foot
	(RE/M)	free-stream Reynolds number per meter (see appendix C)
r		body radius
S		reference wing area, 2.285 ft ²
t/c		thickness-to-chord ratio
x	(X)	longitudinal distance measured from wing apex, in.
y	(Y)	spanwise distance measured from model centerline, in.
z	(Z)	vertical distance measured from model reference plane, in.
α	(ALPHA)	angle of attack, deg $= \sqrt{M^2 - 1}$
	(BETA)	sideslip angle (used in appendix A), deg
δ_c		canard incidence angle, deg; positive with trailing edge down
n	(ETA)	conical coordinate, $\frac{y}{y_{LE}}$
Λ		leading-edge sweep angle, deg

Subscript:

LE leading edge

Abbreviations:

L.E. leading edge

PT point

T.E. trailing edge

WIND-TUNNEL MODELS

The cambered-wing model is a clipped delta ($\Lambda = 57^\circ$) with approximately the first 60 percent of the wing having a conical geometry, which produced an attached supercritical expansion and shockless recompression on the upper surface at the design point of $\alpha = 10^\circ$ and $M = 1.62$. The conical-flow, nonlinear potential method of reference 5 was used to design the cambered wing, and the details of this

design are presented in appendix A of reference 2. Briefly, the design procedure consisted of initially examining pressure distributions and lifting forces produced by a parametric variation of wing thickness, camber, and angle of attack. From this parametric study, a geometry was selected which produced the desired spanwise section lift coefficient of approximately 0.480 at an angle of attack of 10° and a Mach number of 1.62; however, a weak crossflow shock remained on the upper surface. At this point in the design procedure, smooth upper-surface geometry changes were made in the vicinity of the crossflow shock until the shock was totally eliminated. The design section lift coefficient was 0.457. A smooth surface fairing was made from the conical geometry to a constant-thickness geometry, and the wing tip was truncated to keep wing area and span within tunnel test-section limits. The resulting thick trailing edge was recessed.

The flat wing employed the same planform and essentially the same thickness distribution as that of the cambered wing, and it was tested to obtain a comparison set of pressure data containing crossflow shocks and baseline force and moment results.

Figure 1 shows the model layout of the wing-body-canard configuration. Figure 2 shows the spanwise section shapes for the conical portion of the flat wing and cambered wing, and the ordinates for these conical spanwise sections are presented in tables I and II, respectively. In order to verify geometric accuracy prior to testing, both wings were inspected with a numerical-recording measuring machine. The models were within 0.004 in. of the design surface shape over the first 10 percent of the local wing chord.

An axisymmetric body was designed to fit the previously tested wing-alone models. A constant radius of 2.5 in. was selected for the cylindrical portion of the body. The basic forebody nose (nose 1) was a 20° cone blending to a 4° frustum, to provide a canard mounting surface, and finally fairing into the constant-radius cylinder. To obtain additional forebody effects, a second forebody nose (nose 2) was designed with an increased radius. The longitudinal radius distributions for each of these two forebodies are shown in figure 3 and the ordinates are contained in table III.

Canards were tested only on the first forebody (nose 1) and were mounted as shown in figure 1. The leading-edge sweep angle is 57° and the dihedral angle is 10° . The canard airfoil has a biconvex section that is 5 percent thick. The canard has a linear twist distribution that resulted in a 2.5° washout at the tip. The canard incidence angles were 0° , -5° , and -10° , relative to the wing reference plane. The detailed layout of the canard is shown in figure 4.

Photographs of the cambered wing-body-canard model are shown in figures 5(a) and (b). A photograph of the cambered wing-alone model (ref. 2) is shown in figure 5(c) for comparison. Note that for the wing-alone test, the balance housing is confined to the lower surface.

INSTRUMENTATION

Both the cambered and the uncambered wings had 79 pressure taps in the isolated-wing test. (See ref. 2.) However, the addition of the body for the present study covered 8 of the original 79 pressure taps. Therefore, each wing in the present test was instrumented with 71 pressure taps located as shown in figure 6, and the corresponding coordinates are presented in table IV. For ease of installation, the upper-

surface orifices were located on the left side of the model, and the lower-surface orifices were located on the right side of the model. The first two rows at $x/l = 0.450$ and 0.550 were located in the conical-geometry region of the wing. The row at 0.450 was originally used for checking the conicity of the flow in the wing-alone test. The rows of orifices at values of x/l greater than 0.6 were included to obtain nonconical pressure data. To determine wing base drag, four taps were located in the recessed base of the wing. The body-cavity static pressure was measured with pressure tubes located inside the model in the vicinity of the balance.

Aerodynamic forces and moments were measured by a six-component strain-gage balance that was housed within the model. The balance was attached to a sting which, in turn, was rigidly fastened to the model support system of the tunnel. Angle of attack was measured with an accelerometer located in the model support system.

TEST INFORMATION

The tests were conducted in the low Mach number test section of the Langley Unitary Plan Wind Tunnel, which is a variable Mach number, variable-pressure, continuous-flow tunnel. The test section is approximately 4 ft square. (See ref. 6 for a more-detailed description of this facility.)

Tests were conducted at $M = 1.62$, a Reynolds number of 2.0×10^6 per foot, a stagnation temperature of 125°F , and a stagnation pressure of 7.5 psia. Angle of attack ranged from approximately -2° to 12° , but most of the cambered-wing data were taken between 8° and 12° , inclusive, and most of the flat-wing data were taken between 2° and 9° , inclusive. The measured angle of attack was corrected for tunnel-flow angularity and for the deflection of the balance and sting under load. Flow-angle corrections were determined for both the cambered-wing configurations and the flat-wing configurations from upright and inverted runs of the flat wing-body-canard model with $\delta_c = 0^\circ$.

Transition strips, about 0.125 in. wide and composed of No. 60 carborundum grit, were placed on the wing on both the upper and lower surfaces along a ray through the wing apex such that at an x/l station of 0.550 (the main row of pressure taps), the leading edge of the strip would be 0.4 in. back from the center of the leading edge along the streamwise arc. Transition strips, 0.125 in. wide, were also placed around the nose of the body at a distance 1.2 in. back from the apex and over the entire canard span at a constant 0.4 in. behind the leading edge.

Pressure data were obtained from two internally mounted, 48-port scanning valves. Force data were obtained simultaneously. The force data presented herein have been adjusted to free-stream static pressures acting on both the body-cavity and the wing-base areas. After all the pressure results were obtained, oil-flow photographs were taken by using fluorescent oil under ultraviolet illumination.

RESULTS AND DISCUSSION

All the pressure-coefficient data are tabulated in appendix A. The pressure-coefficient data presented in figures 7 to 18 for analysis are from only the spanwise row of pressure taps located at $x/l = 0.55$. The longitudinal force and moment data are tabulated in appendix B. Appendix C contains a tabulation of the longitudinal force and moment data for the wing-alone test reported in reference 2.

Pressure Data

The pressure-coefficient data for the cambered wing-body model (nose 1) at several angles of attack are plotted in the spanwise direction in figure 7. The pressure-coefficient data for the cambered wing-body-canard model (nose 1) at several angles of attack are shown in figure 8 for the three canard incidence angles. The trends for both configurations are that the compression pressures increase with increasing angle of attack and that the expansion pressures decrease with increasing angle of attack, as expected. A comparison of the influence of the two different forebodies on the wing pressure distribution is shown in figure 9 for three angles of attack. The effects of the two different forebodies are nearly identical; therefore, nose 2 was not tested on the flat wing.

Cambered-wing pressures for wing-alone (ref. 2) and wing-body configurations are shown in figure 10 for three angles of attack. The presence of the body lowers the wing pressure on both the upper and lower surfaces, since the wing is located in the expanded flow field aft of the cone-cylinder intersection. The larger pressure shift on the lower surface of the wing is due to the wing-alone balance housing (ref. 2), which produced an additional compression on the wing lower-surface flow field in the wing-alone test. Computational studies using the method of reference 5 indicate that the presence of the balance housing for the wing-alone tests is responsible for about one-half of the difference in the lower-surface pressures seen in figure 10. It is important to note that although the upper-surface pressures expand to more negative values because of the presence of the body, the basic supercritical-crossflow pattern obtained for the wing alone is not altered.

Pressures for the cambered wing-body model with the canard on and canard off are shown in figure 11. The canard does not influence the wing lower-surface pressures, but an influence is noted on the upper-surface pressures. The upwash field outboard of the canard tip increases the local wing angles of attack in that region, thus resulting in a greater expansion around the wing upper-surface leading edge. Conversely, the downwash field inboard of the canard tip decreases the local wing angle of attack in that region, thus resulting in higher pressures on the upper surface. The transition from the canard upwash field to the canard downwash field is distinct and becomes more pronounced with increasing angle of attack and also moves inboard with increasing angle of attack. Note that this transition occurs well outboard of the canard tip which is at $\eta = 0.617$.

The effect of canard incidence angle is shown in figure 12. Changing the incidence angle on the canard from 0° to -10° effectively unloads that lifting surface with a resultant decrease in the strength of the recompression as the wing expansion field "transitions" from the canard upwash region to the canard downwash region. As the canard is unloaded, the strength of the tip vortex decreases and the transition region moves inboard toward the canard tip.

The pressure-coefficient data are summarized in figure 13 for the flat wing-body model and in figure 14 for the flat wing-body-canard model for the three canard incidence angles. The trends of the pressure data with increasing angle of attack are as expected, although the upper-surface pressure distributions are very different from those seen on the cambered-wing configurations. At all but the lowest angles of attack, the flat-wing upper-surface pressure distribution shows a leading-edge pressure spike, which was not on the cambered wing, and a relatively strong crossflow shock.

Flat-wing pressures for wing-alone and wing-body configurations are shown in figure 15. As was noted in comparisons for the cambered wing and cambered wing-body model, the presence of the large cone-cylinder body results in decreased pressures on the flat wing.

Flat-wing pressures for wing-body and wing-body-canard configurations are shown in figure 16 for three angles of attack. The main effect of the canard is to shift the crossflow shock to a slightly more outboard location.

The influence of the canard incidence angle on the flat-wing pressures is shown in figure 17 for three angles of attack. Again, this effect is primarily on the wing upper-surface pressures, although at $\alpha = 2^\circ$ and $\delta = -10^\circ$, the wing lower-surface pressures are uniformly increased across a major portion of the wing span. At this low angle of attack, deflecting the canard leading edge downward loads the canard with negative lift. Overall, the canard-incidence-angle effect is not as orderly for the flat-wing case as was noted on the cambered-wing case; but, in general, changing the canard incidence angle from 0° to -10° moves the crossflow shock inboard.

A comparison of experimental pressure data and linear-theory pressure estimates from the modified Woodward method described in reference 7 is presented in figure 18. Cambered wing-body comparisons are made at $\alpha = 10^\circ$ for both the canard-off and canard-on cases. The linear theory underestimates the lower-surface compression pressure level across most of the wing span. The estimated upper-surface pressure levels are more accurate on the inboard portion of the wing where the crossflow is subcritical. Outboard of about 85 percent of the local wing span, the linear-theory pressures expand toward infinity and result in large errors. The calculated effect of the canard on the wing pressures is to alter both the upper- and lower-surface pressures, which is not shown by the experimental data. Also, the calculated results do not show the canard-on and canard-off pressures crossing outboard of the canard tip, as is seen in the experimental data.

The flat wing-body data in figure 18(b) at $\alpha \approx 6^\circ$ also show the canard off and canard on. The linear theory provides a better overall pressure distribution for the flat-wing case, although the influence of the leading-edge singularity is still apparent, as expected. Again, the calculated canard effect is a downwash which increases upper-surface pressures and decreases lower-surface pressures across the entire span.

Force and Moment Data

Lift and pitching-moment data for wing-alone (ref. 2), wing-body, and wing-body-canard configurations are shown in figure 19. The addition of the cone-cylinder body causes the lift and pitching moment to decrease and the curves to remain linear except for a gradual decrease in the lift-curve slope for the flat wing-body configuration for $\alpha > 7^\circ$. See (fig. 19(b).) The effect of adding a canard is to increase the lift, the pitching moment, and the pitching-moment-curve slope, although the addition of a canard does not influence the wing-body lift-curve slope except for the flat wing-body lift curve in its nonlinear range.

The effect of canard incidence angle on the lift and pitching-moment data is shown in figure 20. As the canard incidence angle is changed from 0° to -10° , both the lift and pitching moment decrease, although the slopes of the curves are not altered.

The drag polars for the configurations of this test program along with the polars for the two wing-alone models tested previously (ref. 2) are displayed in figure 21. The body creates a large drag increment, whereas the canard effects are, of course, much smaller and actually beneficial for the cambered wing-body model above $C_L = 0.3$. For the flat wing-body configuration, the canard drag increment is always positive, although the drag penalty dissipates at the higher lift coefficients. Figure 21(c) is presented to illustrate the drag benefit of camber at typical supersonic-maneuver lift coefficients. At $C_L = 0.4$, the cambered wing-body model produces 5 percent less drag than the flat wing-body model of the same volume.

The performance of the camber surface is quantified in figure 22 by using the drag-due-to-lift parameter $\Delta C_D / \beta C_L^2$. This parameter illustrates the beneficial effects of camber on the lifting performance of a wing. Note that the cambered-wing configurations are superior to the corresponding flat-wing configurations, except for the wing-alone case for $C_L < 0.3$. The addition of the body creates a performance decrement, in general, but the addition of the canard restores a part of the wing-alone performance, especially for the cambered wing where the canard actually generates a performance increment relative to the cambered wing-alone case for $C_L < 0.35$.

Linearized-theory estimates (ref. 7) of the lift and pitching moment of the wing-body and wing-body-canard configurations are presented in figure 23. These integrated results correspond to the pressure estimates which were shown in figure 18. Linear theory underestimates the lift and pitching moment for both wing-body configurations. Also, the slopes of these curves are less for the theory than for the experimental data. These errors are largely due to the well-known linear-theory characteristic of underestimating compression pressures, an error which grows with increasing angle of attack. The calculated canard effect shows the proper trend but not the correct increment. The linear-theory lift increment due to the canard is somewhat smaller than that shown by the experiment, whereas the calculated pitching-moment increment is much larger. Both of these errors are due to the linear-theory procedure for calculating canard influences on this wing. As shown in figure 18, the calculated canard influence is a downwash over a major portion of the wing, on both the upper and lower surfaces. The canard downwash reduces the local angles of attack of each linear-theory panel, thereby reducing the lift production of the wing. Since a large portion of the wing falls behind the pitch center, the additional calculated lift increment due to the canard is exaggerated by the erroneously calculated loss in wing lift due to the presence of the canard. The net result of the linear-theory calculation of canard influence for this configuration is the underestimation of the canard-lift increment and the overestimation of the canard-pitch increment.

Oil-Flow Results

Photographs of the upper-surface oil flow are presented in figure 24. The cambered-wing data, with and without the canard, are for the design angle of attack of approximately 10° ; and the flat-wing data, with and without the canard, are for the design angle of attack of approximately 6° . The C_L values for the flat-wing cases are about 20 to 25 percent below those of the corresponding cambered wing.

The cambered-wing photographs show smooth wing flow patterns for both the canard off and canard on. In figure 24(a), the oil-accumulation line, which starts near the wing leading-edge body juncture and extends a short distance aft along a conical ray, could indicate the presence of a crossflow shock. Farther out along the span the oil-accumulation line disappears. The canard (fig. 24(b)) does not seem to exert a strong influence on the cambered-wing oil-flow pattern. In particular, the recom-

pression (fig. 11) which indicated the transition from the canard upwash region to the canard downwash region was not apparent in the oil-flow pattern. Note the separated-flow region on the canard tips.

The flat-wing configurations (figs. 24(c) and (d)) both show a strong crossflow shock, even though the lift coefficient is much less than that in the cambered-wing cases previously discussed. In figure 24(c), the crossflow shock begins just aft of the wing leading-edge body juncture and moves aft along a nearly conical ray for about 60 percent of the wing length. This is the portion of the wing which has a conical geometry. Aft of the conical portion of the wing, the crossflow shock diffuses. The location of the outboard oil-accumulation line was measured from the photograph and found to correspond to the beginning of the recompression or crossflow-shock region as defined by the pressure data. Just aft of the heavy outboard line, numerous oil-accumulation lines form into a "scalloped" pattern which may indicate areas of local flow separation. The pressure data at $x/l = 0.55$ (fig. 13) do not provide a clear indication of local shock-induced flow separation.

The canard-on photograph (fig. 24(d)) does show a definite canard influence on the flat wing. The wing crossflow shock directly aft of the canard is reduced in strength as shown by the much lighter oil-accumulation line directly behind the canard. Also, that portion of the wing crossflow shock which falls outboard of the canard tip appears to be somewhat more diffused than that for the corresponding canard-off case. Again, the outermost oil-accumulation line was measured and its location was found to indicate the beginning of the crossflow shock region which occurs more outboard than that for the canard-off case.

The presence of the crossflow shock on the flat wing cases is a probable source of the nonlinearity of the flat wing-body lift curve. As angle of attack is increased, the strength of the crossflow shock increases and the likelihood of local shock-induced separation increases. The effect of shock-induced separation on the upper surface would be a loss in lift.

CONCLUDING REMARKS

A test was conducted at Mach 1.62 to evaluate the effects of a cone-cylinder forebody and canards, which were mounted above the wing plane, on a conical wing designed to have controlled supercritical crossflow at the high-lift conditions required for maneuver. The results indicated that although the wing-design procedure did not include the effects of a forebody and/or canards, the supercritical crossflow and shockless recompression features were maintained in the presence of the forebody and the canards produced the expected upwash and downwash effects without changing the basic flow pattern of the isolated wing.

For reference, the same cone-cylinder forebody and canards were tested on an uncambered (flat) version of the conical wing with nearly equivalent volume. The flat-wing flow field was characterized by a strong crossflow shock at high-lift conditions. However, the body affected the flat-wing pressures in the same manner as it affected the cambered-wing pressures; that is, a uniform decrease resulted in the wing pressure field. The canard influence was to shift the flat-wing pressure field without changing the basic flow pattern.

The test of the cambered-wing configurations and the flat-wing configurations allowed a direct comparison of the benefits of camber. Both the drag polar and the

linear-theory lifting-performance parameter showed the drag reduction due to wing camber at high lift coefficients.

A comparison of experimental data with linear-theory calculations indicated that the lift and pitching-moment estimates for both the cambered-wing and flat-wing configurations were conservative, in large measure, because of the underestimation of compression pressures. The character of the mixed upper-surface crossflow was, of course, not shown by the linear-theory estimates, and also the error due to the linear-theory leading-edge singularity was noted. The calculated canard influence was a downwash over a major portion of both the upper and lower wing surfaces. However, the experimental data showed that the canards produced distinct upwash and downwash effects which were almost totally confined to the wing upper surface. The net calculated effect of the canard was an underestimation of the canard lift increment and a large overestimation of the canard pitch increment.

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December 8, 1983

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TABLE I.- FLAT-WING SPANWISE SECTION ORDINATES

η	z/y_{LE}	η	z/y_{LE}
1.000000	0.000000	0.876460	0.027420
.999970	.001840	.868670	.027800
.999710	.003830	.860660	.028140
.999200	.005390	.852430	.028450
.998440	.006740	.843990	.028720
.997430	.007960	.835330	.028960
.996160	.009100	.826450	.029160
.994630	.010160	.817370	.029310
.992860	.011170	.808080	.029450
.990830	.012140	.798580	.029550
.988550	.013060	.788880	.029630
.986010	.013950	.778980	.029670
.983230	.014800	.768890	.029700
.980200	.015630	.758590	.029710
.976920	.016430	.748100	.029710
.973380	.017210	.737430	.029710
.969610	.017970	.726560	.029710
.965580	.018700	.715510	.029710
.961310	.019420	.704280	.029730
.956800	.020110	.692870	.029770
.952040	.020790	.681290	.029840
.947040	.021450	.669530	.029930
.941800	.022100	.657600	.030080
.936320	.022730	.645500	.030260
.930600	.023350	.633240	.030490
.924640	.023940	.620810	.030780
.918450	.024510	.608240	.031130
.912030	.025070	.595500	.031520
.905370	.025600	.582610	.031970
.898480	.026100	.569580	.032460
.891370	.026570	.556400	.032980
.884030	.027010	.543080	.033550
.529620	.034130	.267790	.042350
.516030	.034750	.252400	.042220
.502300	.035390	.236930	.042020
.488450	.036050	.221410	.041820
.474470	.036720	.205830	.041600
.460370	.037400	.190200	.041400
.446160	.038080	.174520	.041210
.431830	.038740	.158800	.041030
.417390	.039370	.143030	.040870
.402850	.039980	.127230	.040730
.388200	.040530	.111400	.040610
.373460	.041030	.095540	.040520
.358620	.041470	.079650	.040440
.343690	.041820	.063750	.040390
.328670	.042100	.047820	.040350
.313560	.042290	.031890	.040330
.298380	.042390	.015950	.040320
.283120	.042410	.000000	.040320

TABLE II.- CAMBERED-WING SPANWISE SECTION ORDINATES

(a) Upper surface

η	z/y_{LE}	η	z/y_{LE}
1.000000	-0.207000	0.877440	-0.131880
.999790	-.205420	.869510	-.128340
.999260	-.203850	.861360	-.124750
.998450	-.202250	.852990	-.121100
.997350	-.200600	.844390	-.117400
.995980	-.198890	.835560	-.113650
.994330	-.197110	.826520	-.109850
.992410	-.195260	.817260	-.105990
.990230	-.193340	.807790	-.102090
.987770	-.191330	.798100	-.098150
.985060	-.189250	.788210	-.094160
.982070	-.187080	.778100	-.090130
.978830	-.184830	.767800	-.086060
.975330	-.182510	.757290	-.081970
.971570	-.180100	.746580	-.077850
.967550	-.177610	.735680	-.073700
.963280	-.175040	.724580	-.069540
.958750	-.172400	.713300	-.065370
.953970	-.169680	.701830	-.061200
.948940	-.166890	.690170	-.057040
.943660	-.164020	.678330	-.052880
.938130	-.161090	.666310	-.048750
.932350	-.158080	.654120	-.044650
.926320	-.155020	.641760	-.040590
.920060	-.151890	.629230	-.036570
.913550	-.148700	.616540	-.032620
.906800	-.145450	.603680	-.028730
.899810	-.142140	.590670	-.024910
.892590	-.138780	.577500	-.021190
.885130	-.135350	.564180	-.017560
.550710	-.014030	.271780	.030120
.537100	-.010610	.256160	.031290
.523350	-.007300	.240470	.032370
.509460	-.004130	.224720	.033370
.495440	-.001080	.208910	.034280
.481290	.001850	.193040	.035110
.467020	.004670	.177130	.035880
.452620	.007360	.161170	.036580
.438110	.009930	.145170	.037220
.423480	.012370	.129140	.037800
.408740	.014690	.113070	.038330
.393890	.016880	.096970	.038800
.378940	.018950	.080850	.039210
.363900	.020890	.064700	.039570
.348760	.022720	.048540	.039860
.333530	.024420	.032370	.040080
.318210	.026010	.016190	.040220
.302810	.027490	.000000	.040270
.287330	.028860		

TABLE II.- Concluded

(b) Lower surface

η	z/y_{LE}	η	z/y_{LE}
1.000000	-0.207000	0.880440	-0.191280
.999880	-.208640	.873010	-.188710
.999320	-.210560	.865350	-.186020
.998610	-.212260	.857490	-.183210
.997830	-.213930	.849410	-.180270
.996770	-.215630	.841130	-.177210
.995630	-.216820	.832640	-.174020
.994320	-.217720	.823940	-.170720
.992810	-.218390	.815040	-.167300
.991090	-.218860	.805940	-.163760
.989140	-.219160	.796650	-.160120
.986970	-.219310	.787150	-.156390
.984560	-.219300	.777470	-.152570
.981930	-.219140	.767590	-.148670
.979060	-.218850	.757530	-.144710
.975950	-.218430	.747270	-.140700
.972610	-.217880	.736840	-.136660
.969040	-.217200	.726220	-.132600
.965220	-.216400	.715420	-.128540
.961180	-.215480	.704450	-.124510
.956900	-.214440	.693310	-.120510
.952390	-.213300	.681990	-.116570
.947650	-.212050	.670510	-.112700
.942670	-.210690	.658860	-.108930
.937470	-.209220	.647050	-.105280
.932030	-.207660	.635080	-.101760
.926370	-.205990	.622950	-.098390
.920480	-.204220	.610670	-.095190
.914360	-.202340	.598240	-.092160
.908020	-.200360	.585660	-.089290
.901450	-.198260	.572930	-.086580
.894670	-.196050	.560070	-.084040
.887670	-.193730	.547070	-.081670
.533930	-.079460	.263060	-.054180
.520660	-.077410	.247930	-.052750
.507260	-.075530	.232740	-.051320
.493740	-.073800	.217490	-.049930
.480090	-.072210	.202184	-.048628
.466330	-.070750	.186828	-.047413
.452450	-.069400	.171425	-.046288
.438450	-.068160	.155979	-.045256
.424350	-.066990	.140494	-.044318
.410140	-.065890	.124973	-.043476
.395840	-.064820	.109420	-.042729
.381430	-.063780	.093840	-.042080
.366930	-.062730	.078237	-.041528
.352330	-.061670	.062614	-.041075
.337660	-.060560	.046974	-.040722
.322890	-.059410	.031323	-.040470
.308050	-.058200	.015664	-.040319
.293120	-.056920	.000000	-.040267
.278130	-.055580		

TABLE III.- BODY ORDINATES

[Body-station reference selected to correspond to coordinate system of wing-alone test]

(a) Nose 1

x, in.	r, in.
-8.000	0
-2.650	a 1.947
-2.600	1.965
-2.550	1.982
-2.500	1.999
-2.450	2.015
-2.400	2.030
-2.350	2.044
-2.300	2.058
-2.250	2.071
-2.200	2.083
-2.150	2.095
-2.100	2.106
-2.050	2.116
-2.000	2.125
-1.950	2.133
-1.900	2.141
-1.850	2.148
-1.800	2.155
-1.600	2.173
2.550	a 2.463
2.600	2.467
2.650	2.470
2.700	2.473
2.750	2.476
2.800	2.479
2.850	2.481
2.900	2.484
2.950	2.486
3.000	2.488
3.050	2.490
3.100	2.492
3.150	2.493
3.200	2.495
3.250	2.496
3.300	2.497
3.400	2.498
3.500	2.500
.	.
.	.
.	.
24.000	2.500

(b) Nose 2

x, in.	r, in.
-8.000	0
-.850	a 2.602
-.800	2.620
-.750	2.637
-.700	2.652
-.650	2.666
-.600	2.678
-.550	2.689
-.500	2.698
-.450	2.706
-.400	2.712
-.350	2.717
-.300	2.721
-.250	2.723
-.200	2.724
-.150	2.723
-.100	2.721
-.050	2.718
2.550	a 2.536
2.700	2.526
2.750	2.523
2.800	2.520
2.850	2.518
2.900	2.515
2.950	2.513
3.000	2.511
3.050	2.509
3.100	2.507
3.150	2.506
3.200	2.504
3.250	2.503
3.300	2.502
3.350	2.501
3.400	2.501
3.450	2.501
3.500	2.500
3.600	2.500
.	.
.	.
.	.
24.000	2.500

^aStraight contour between these locations.

TABLE IV.- PRESSURE-ORIFICE LOCATIONS

Model orifice	x, in.	y, in.	η	Model orifice	x, in.	y, in.	η				
Upper surface											
1	10.8	7.013	1.000	44	17.4	8.136	0.720				
2		6.908	.985	45	17.4	7.006	.620				
3		6.803	.970	46	17.4	6.102	.540				
4		6.452	.925	47	19.8	9.258	.720				
5		6.031	.860	48	19.8	7.972	.620				
6		5.049	.720	49	19.8	6.943	.540				
7		4.769	.680	50	(b)	(b)	1				
8		4.348	.620	51			2				
9		3.787	.540	52			3				
(a)	(a)	(a)	(a)	53			4				
11	13.2	8.752	1.000	Lower surface							
12		8.529	.995	54	10.8	6.908	0.985				
13		8.443	.985	55		6.452	.925				
14		8.315	.970	56		4.909	.700				
15		8.143	.950	57		2.805	.400				
16		7.929	.925	(a)	(a)	(a)	(a)				
17		7.715	.900	59	13.2	8.572	1.000				
18		7.372	.860	60		8.529	.995				
19		7.029	.820	61		8.443	.985				
20		6.686	.780	62		8.315	.970				
21		6.343	.740	63		8.143	.950				
22		6.172	.720	64		7.929	.925				
23		6.000	.700	65		7.715	.900				
24		5.829	.680	66		7.372	.860				
25		5.658	.660	67		6.686	.780				
26		5.143	.620	68		6.000	.700				
27		4.972	.580	69		5.143	.620				
28		4.629	.540	70		4.629	.540				
29		3.943	.460	71		3.429	.400				
30		3.429	.400	(a)	(a)	(a)	(a)				
(a)	(a)	(a)	(a)	73	17.4	9.718	.860				
				74		8.136	.720				
				75		7.006	.620				
36	15.0	9.740	1.000	76		6.102	.540				
37		8.377	.860	77	19.8	9.258	.720				
38		7.014	.720	78	19.8	7.972	.620				
39		6.039	.620	79	19.8	6.943	.540				
40		5.260	.540								
41	16.2	10.52	1.000								
42	17.4	11.30	1.000								
43	17.4	9.718	.860								

^aOrifice locations eliminated because of addition of body to wing-alone models.

^bBase pressure.

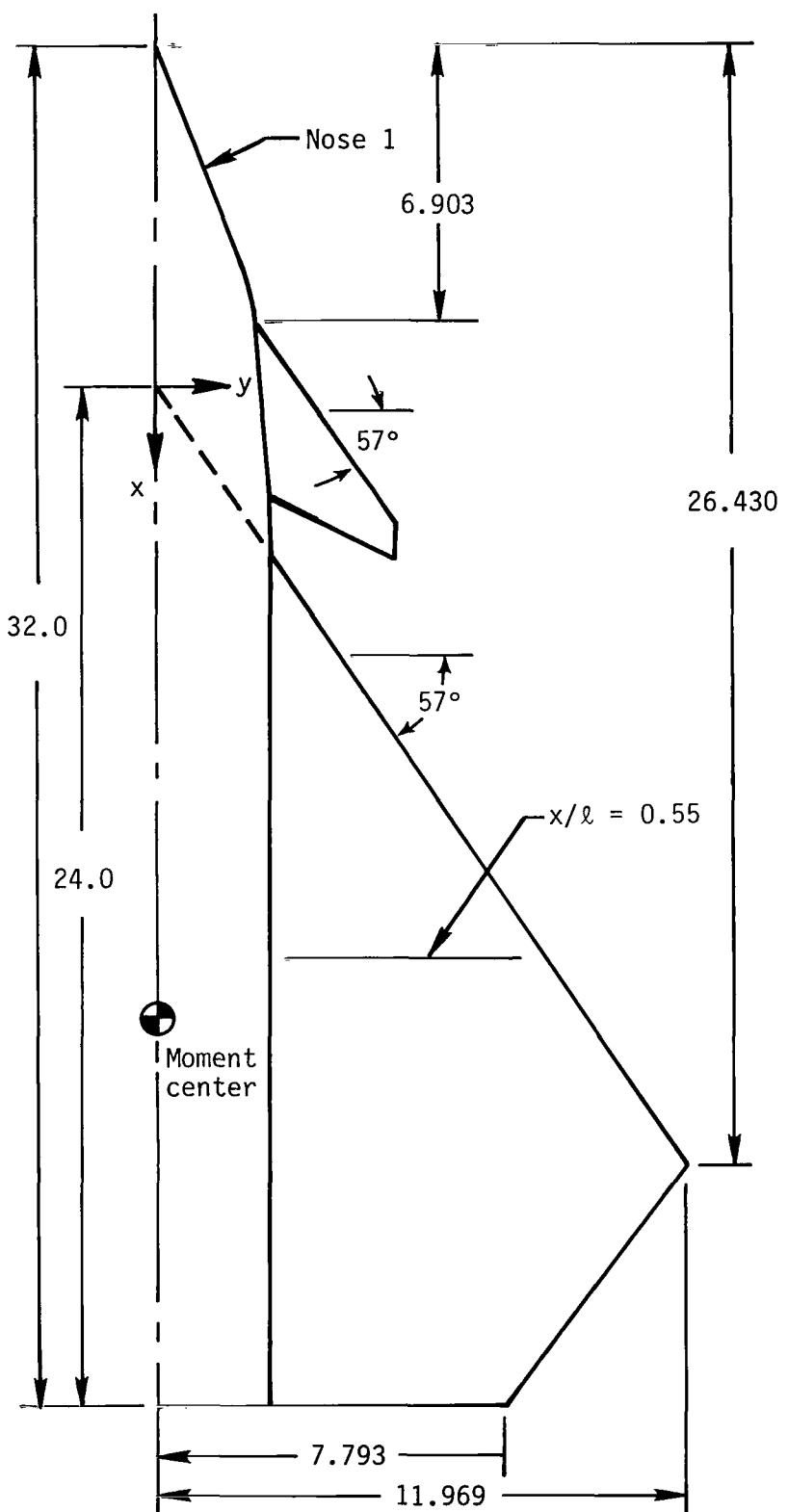


Figure 1.- Model layout of wing-body-canard configuration.
All dimensions are given in inches unless otherwise specified.

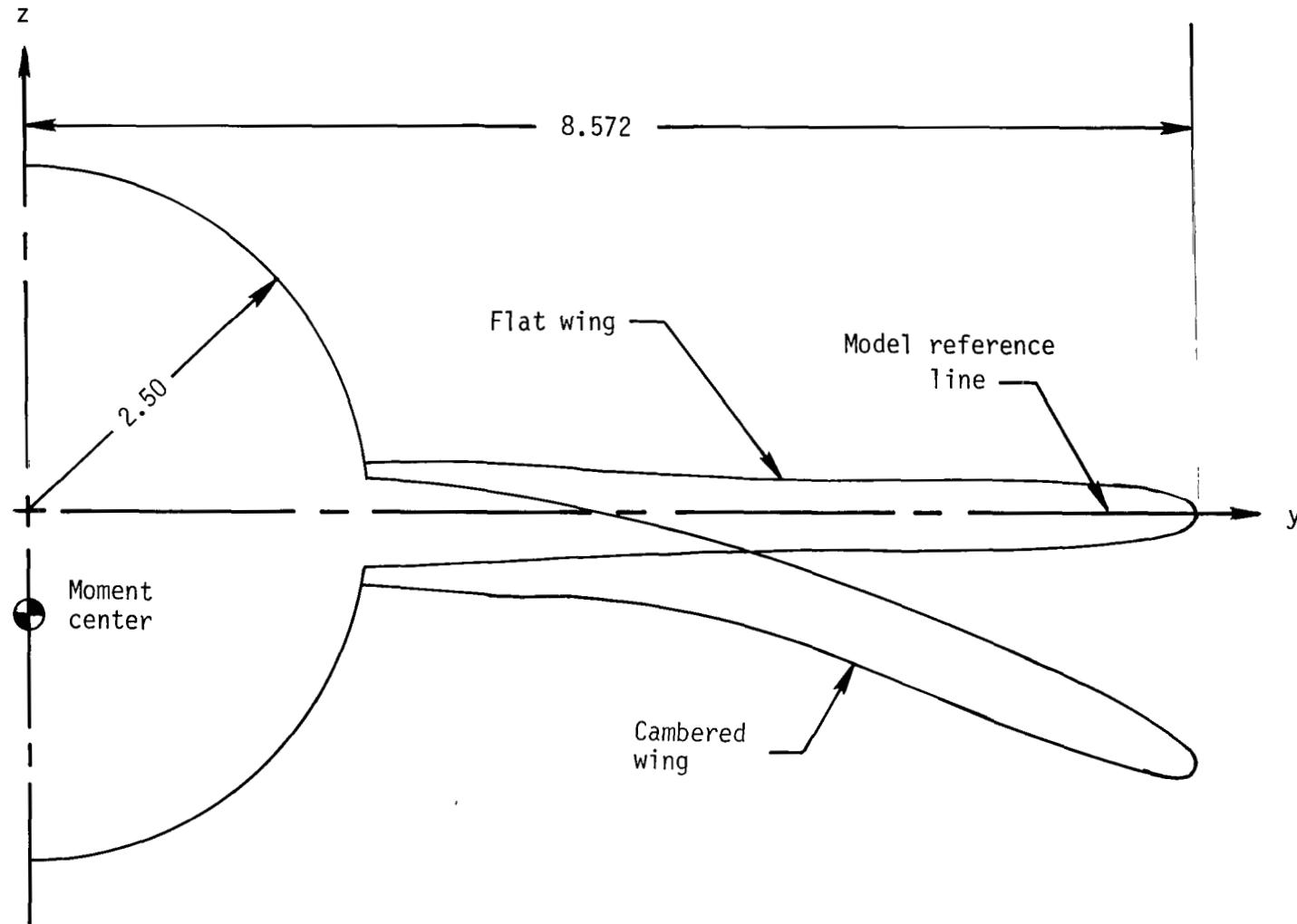


Figure 2.- Spanwise cross section. $x = 13.20$ in.; $x/l \leq 0.55$. All dimensions are given in inches.

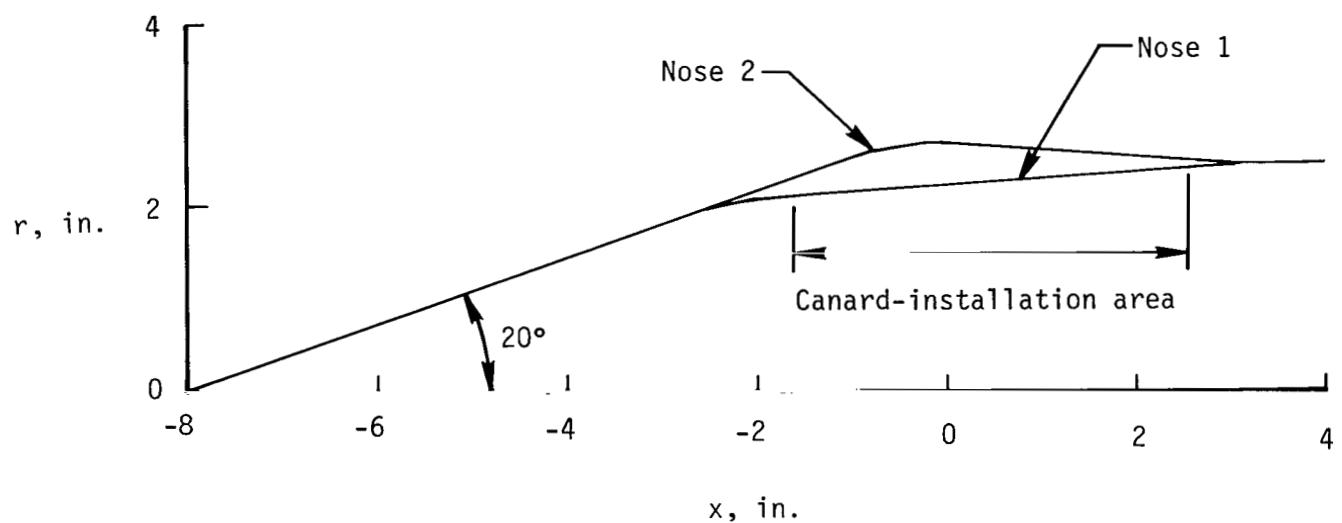
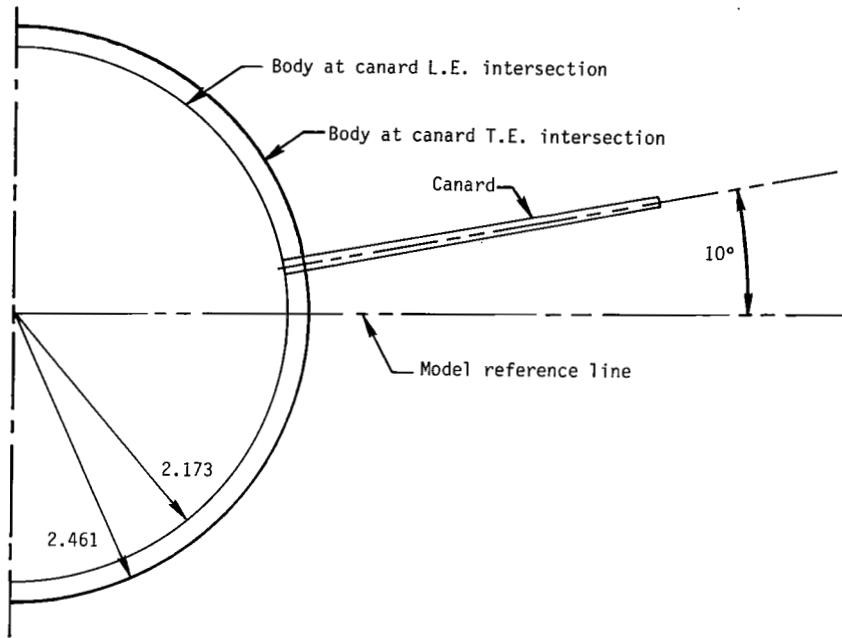
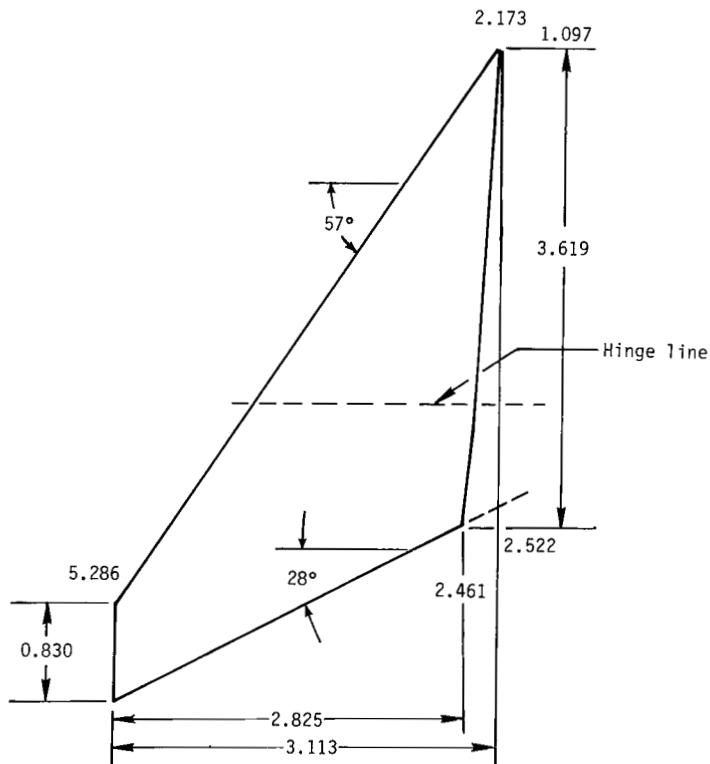


Figure 3.- Forebody radius distribution.

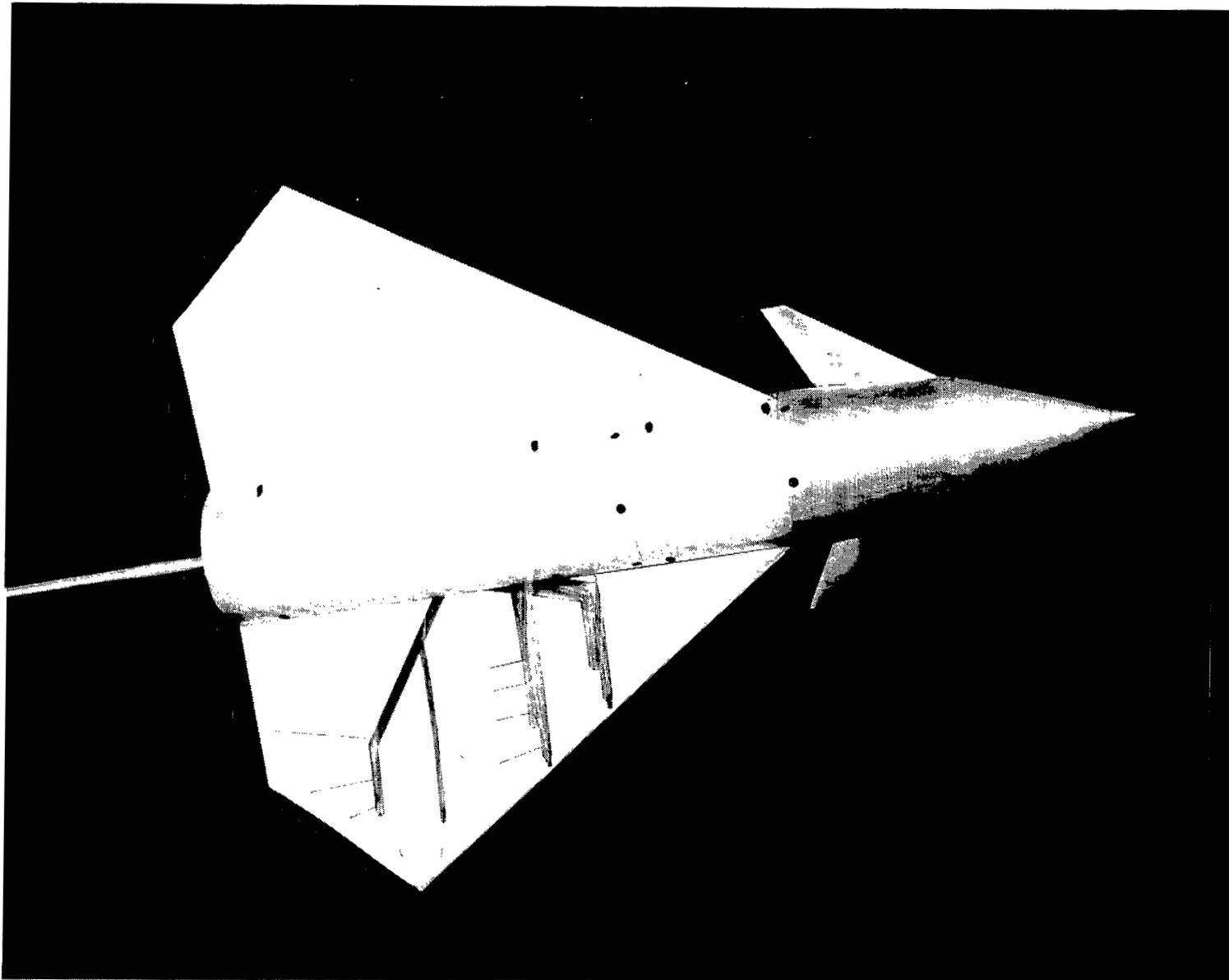


(a) Front view.



(b) Plan view.

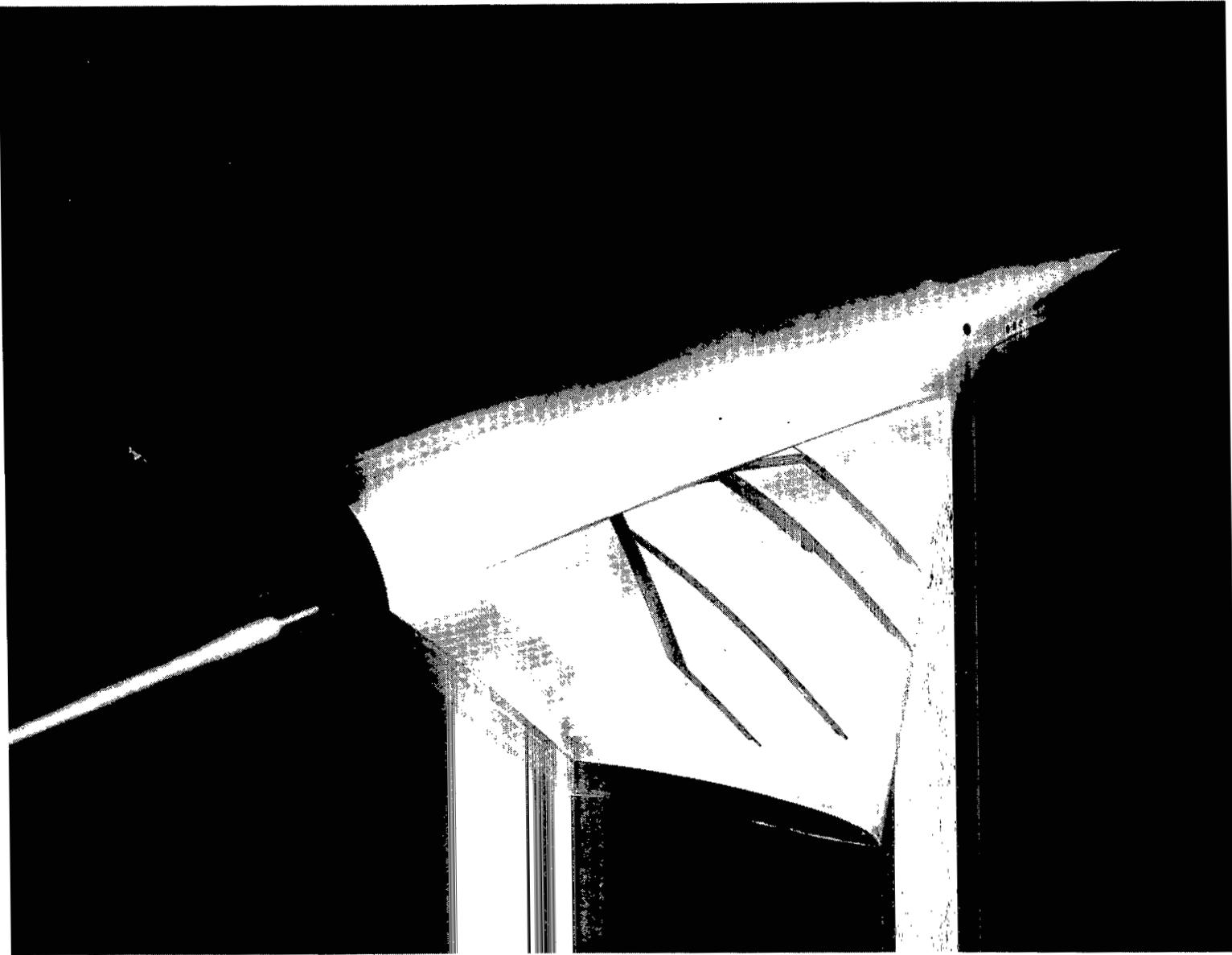
Figure 4.- Canard-installation details. Biconvex section,
 $t/c = 0.05$; linear twist distribution, 2.5° washout. All
 dimensions are given in inches unless otherwise specified.



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(a) Bottom view of cambered wing-body canard model.

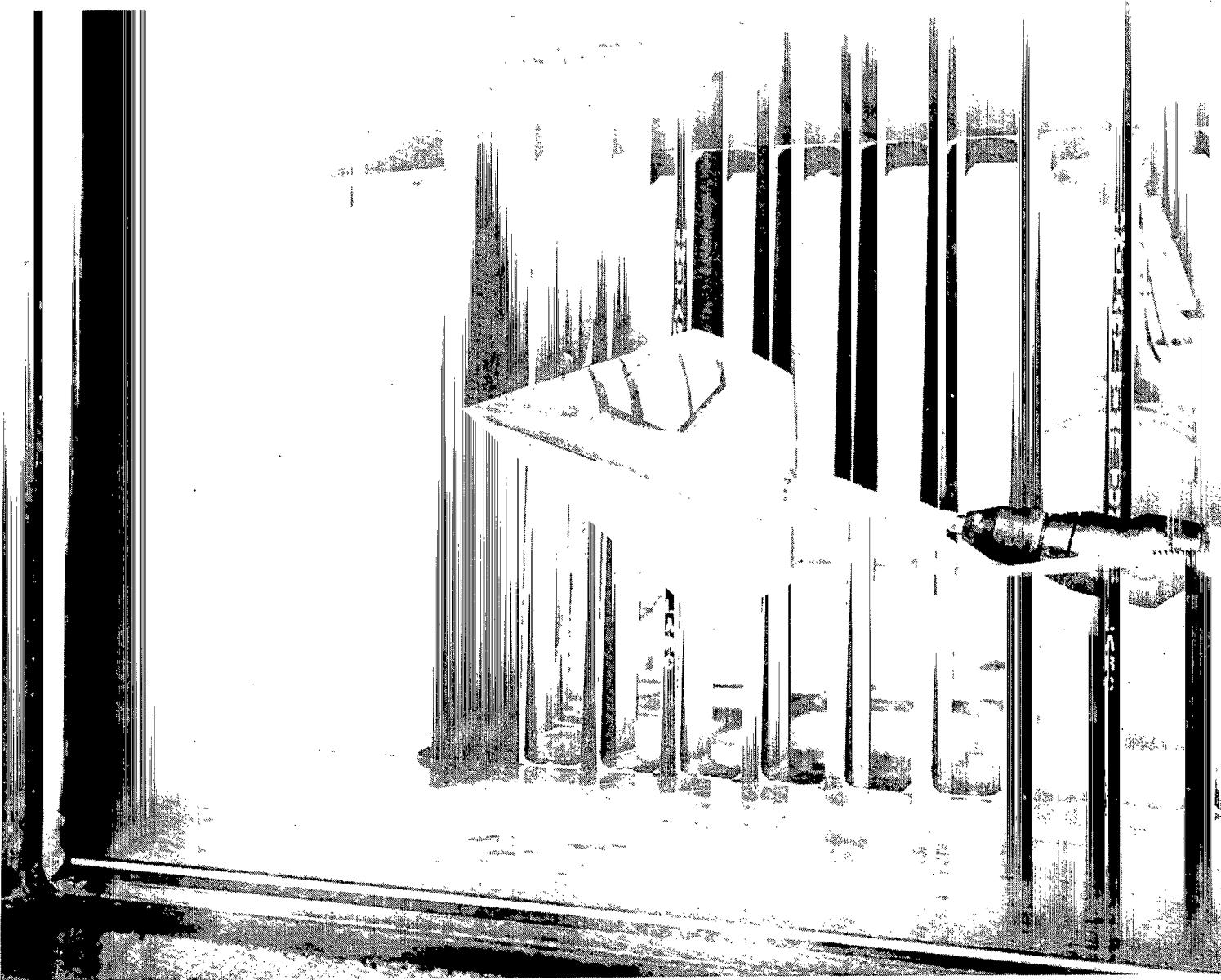
Figure 5.- Photographs of wind-tunnel models.



L-82-321

(b) Aft view of cambered wing-body-canard model.

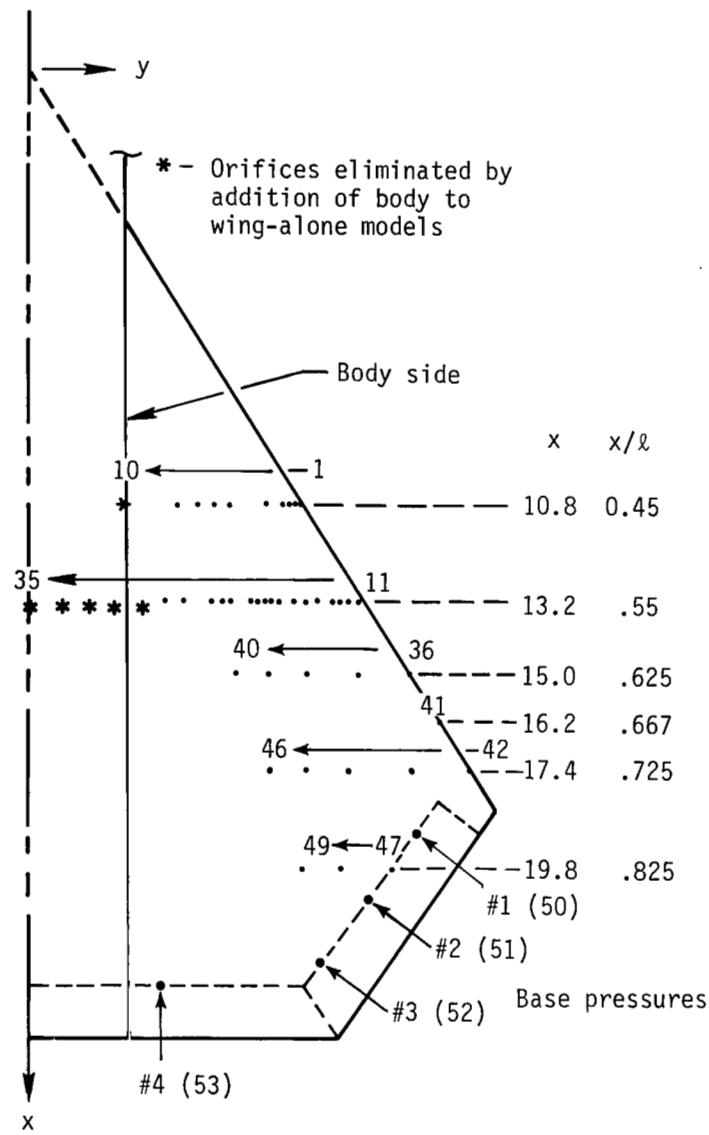
Figure 5.- Continued.



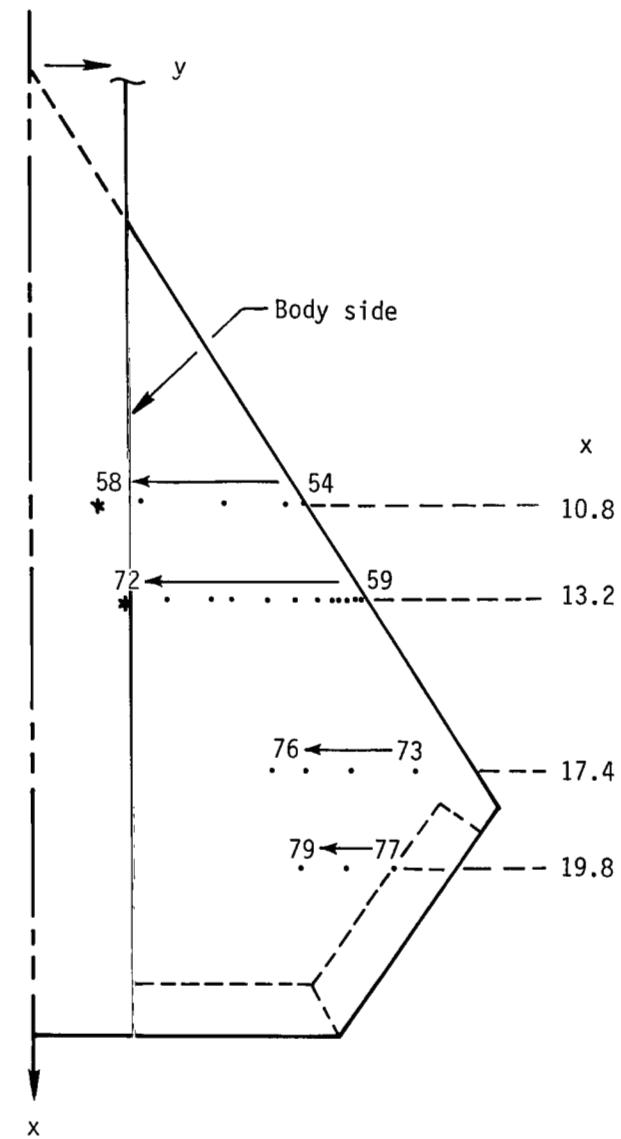
L-79-7698

(c) Bottom view of cambered wing alone from reference 2.

Figure 5.- Concluded.



(a) Upper surface.



(b) Lower surface.

Figure 6.- Pressure orifice locations.

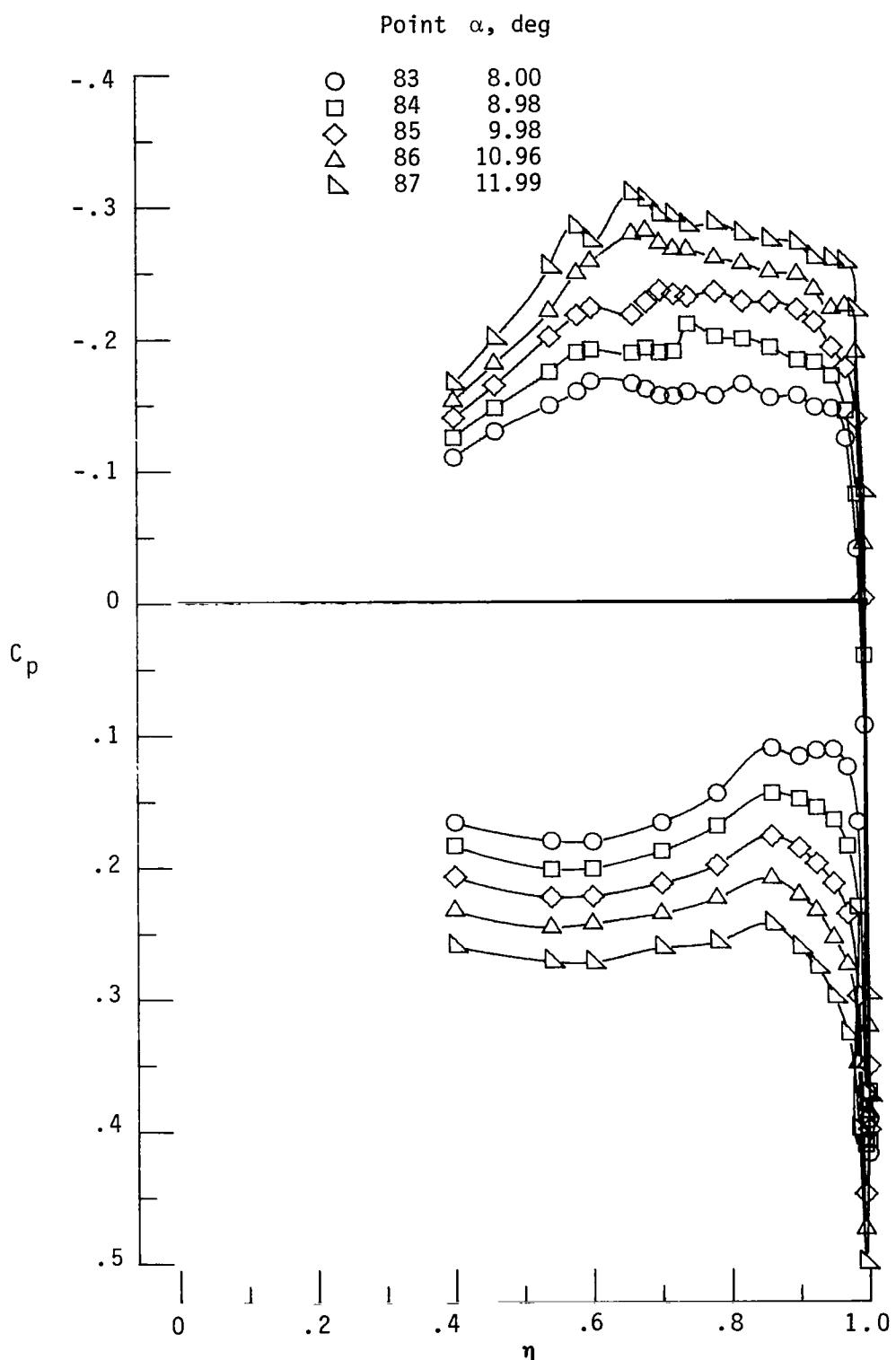


Figure 7.- Summary of pressure-coefficient data for cambered wing-body model (nose 1). $x/\lambda = 0.55$; $M = 1.62$.

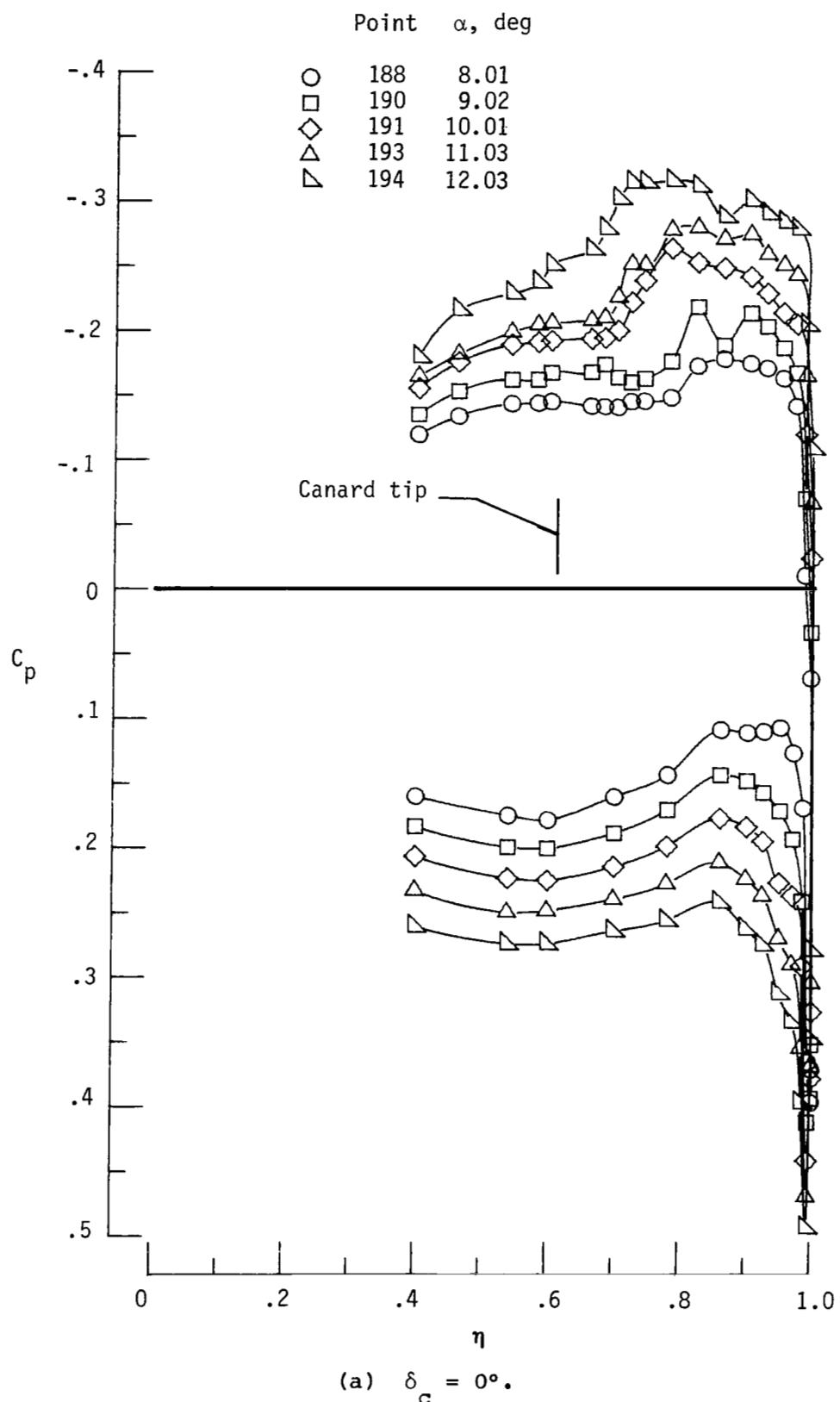
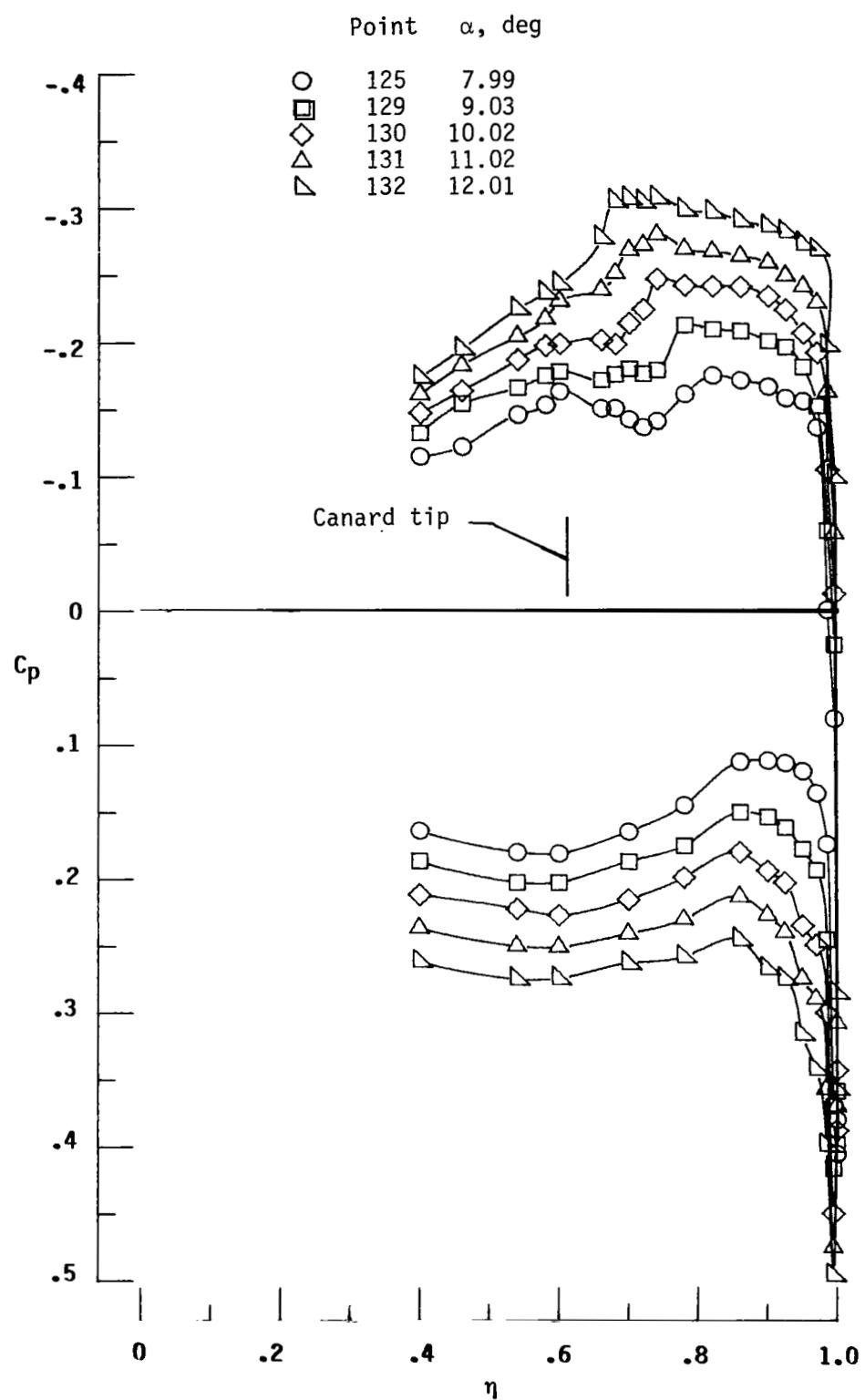


Figure 8.- Summary of pressure-coefficient data for cambered wing-body-canard model (nose 1). $x/l = 0.55$; $M = 1.62$.



(b) $\delta_c = -5^\circ$.

Figure 8.- Continued.

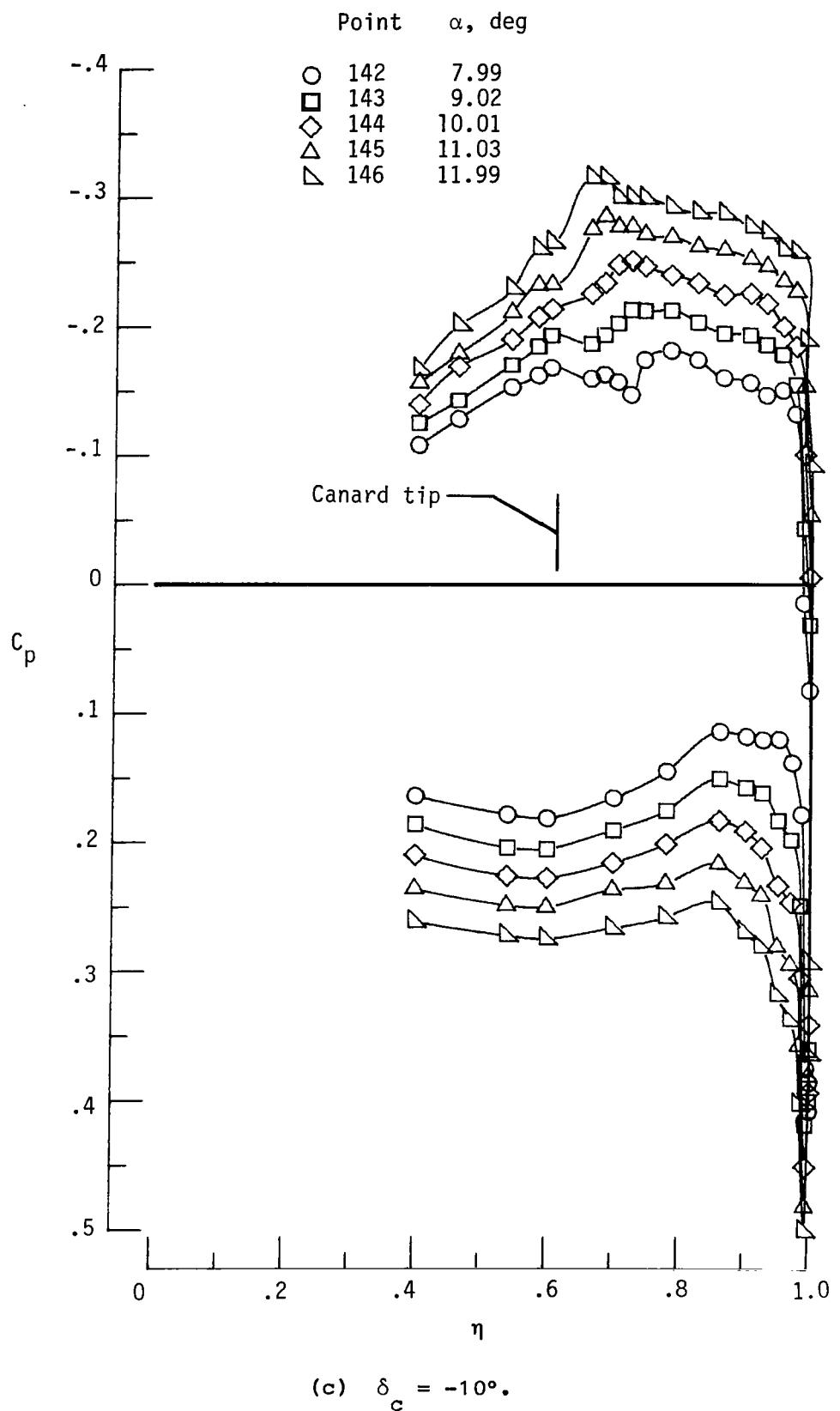
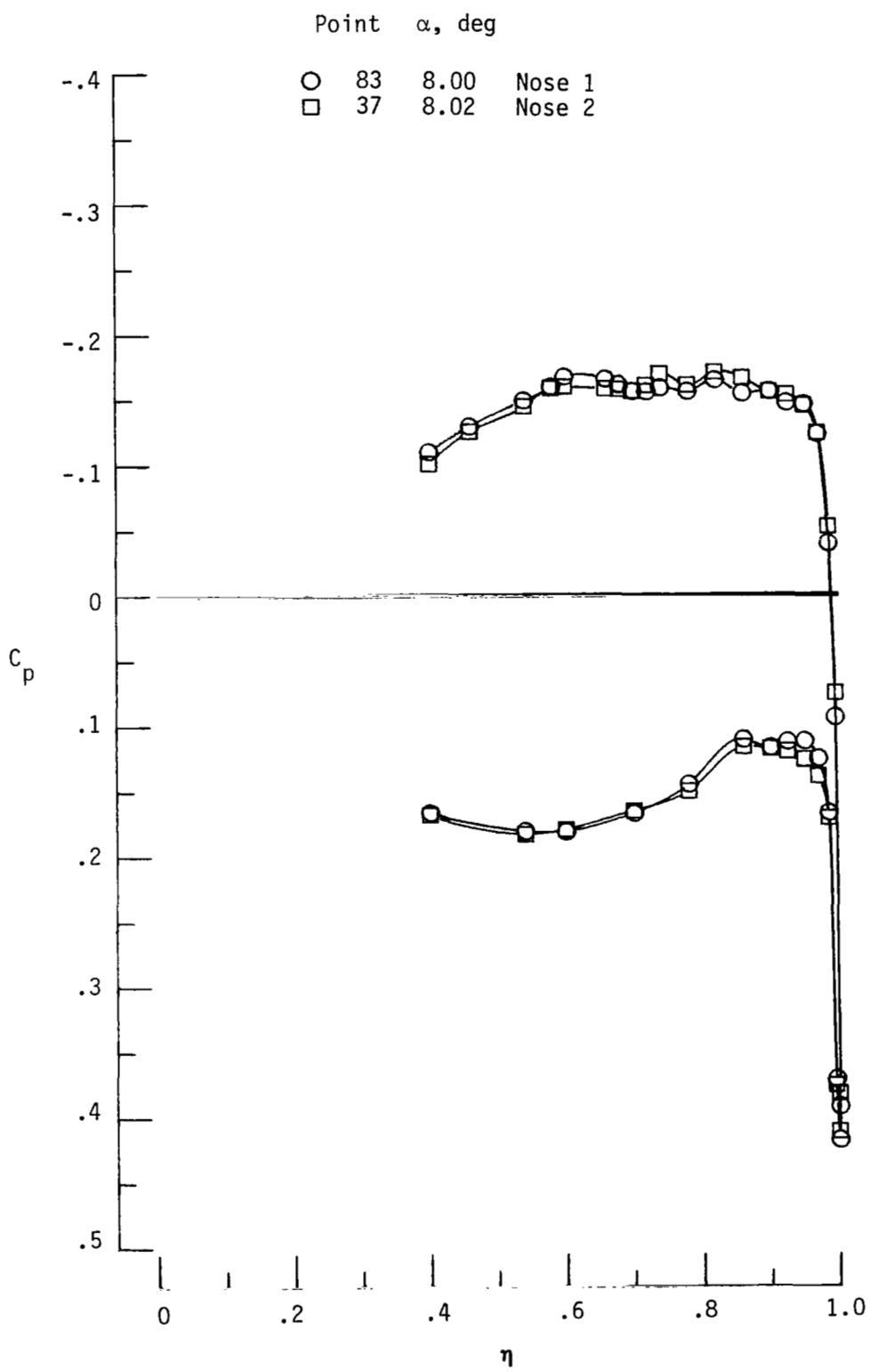
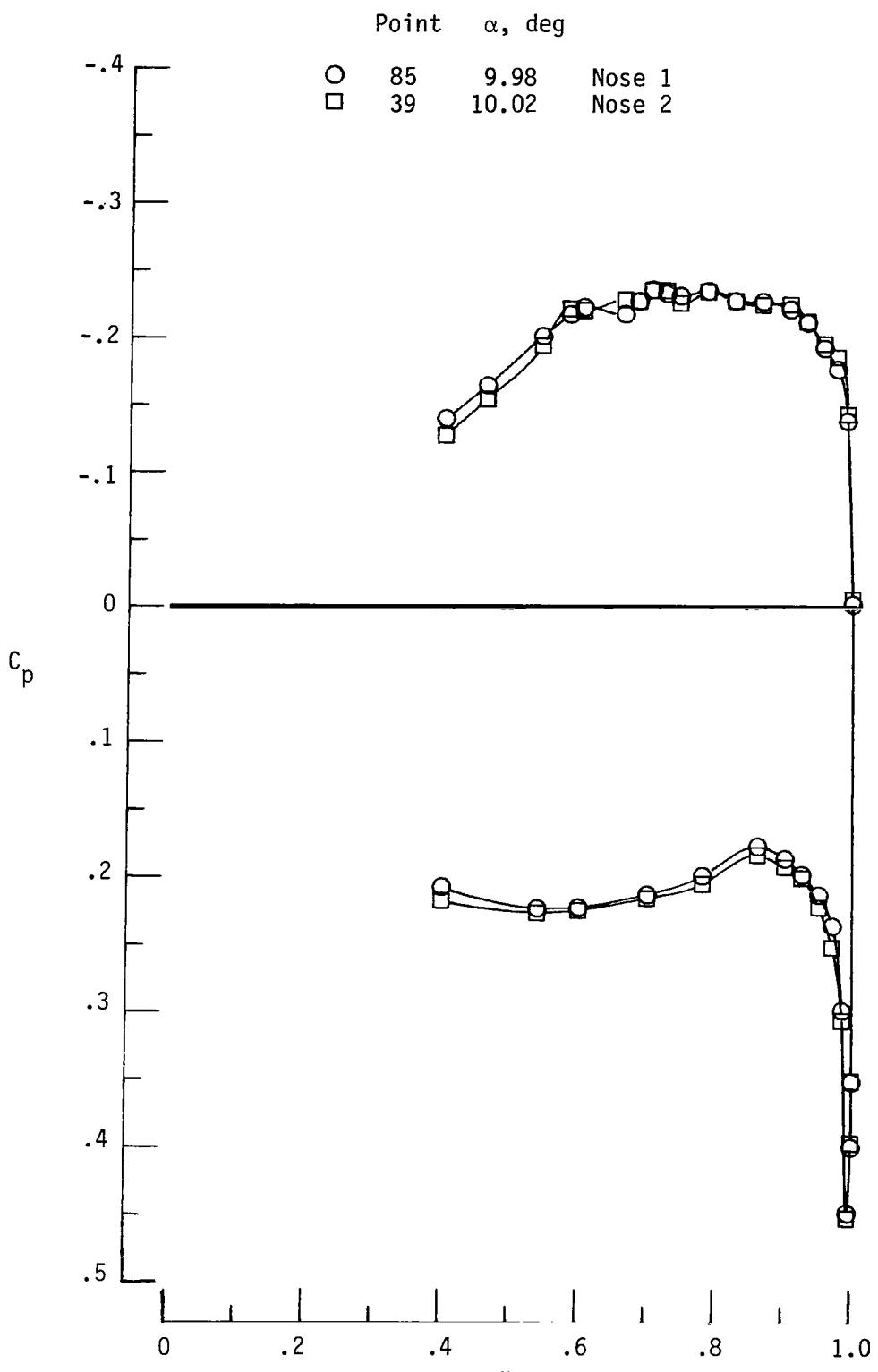


Figure 8.- Concluded.



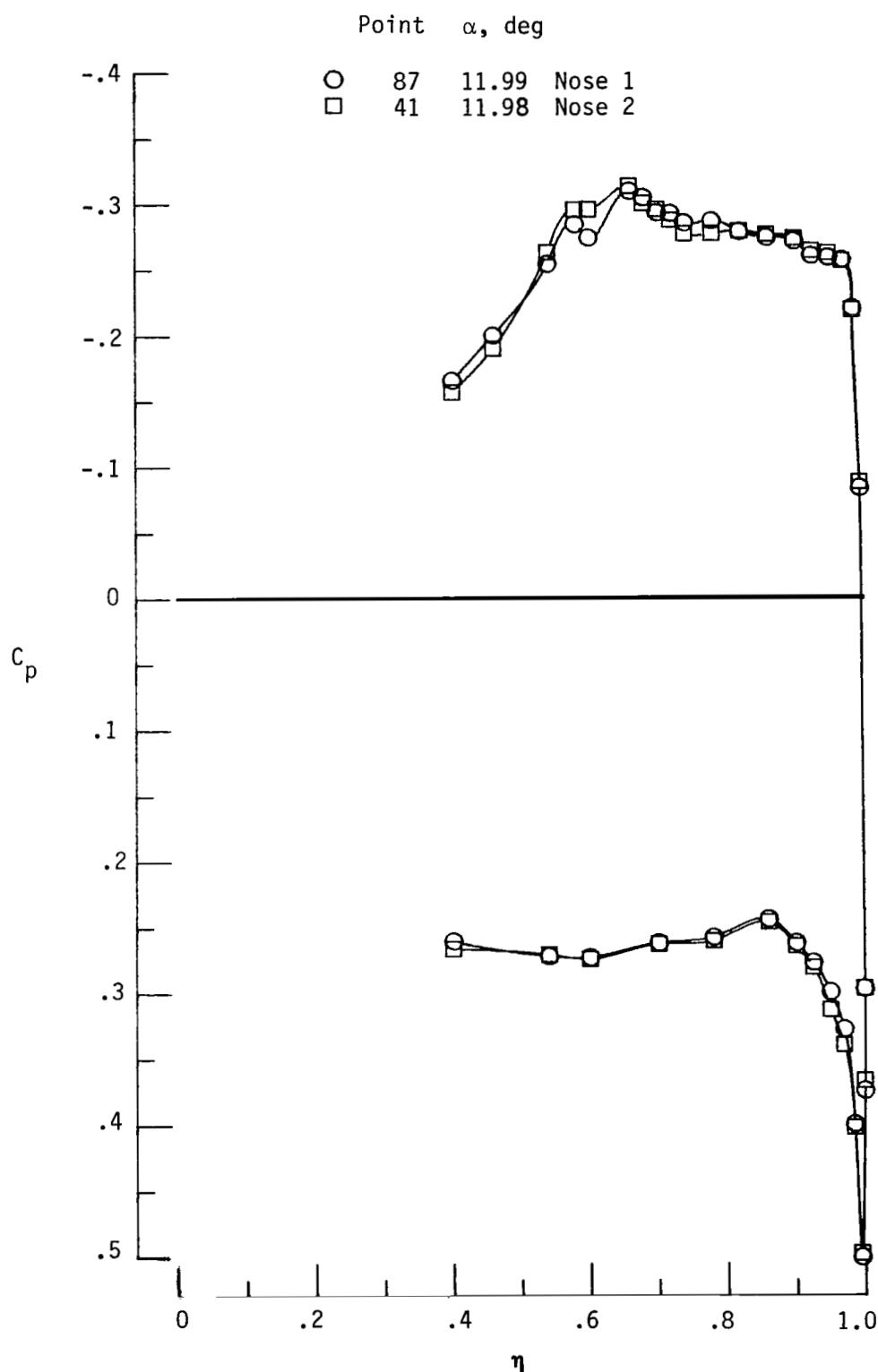
(a) $\alpha \approx 8^\circ$.

Figure 9.- Effect of forebody shape on cambered wing-body pressure distributions. $x/\lambda = 0.55$; $M = 1.62$.



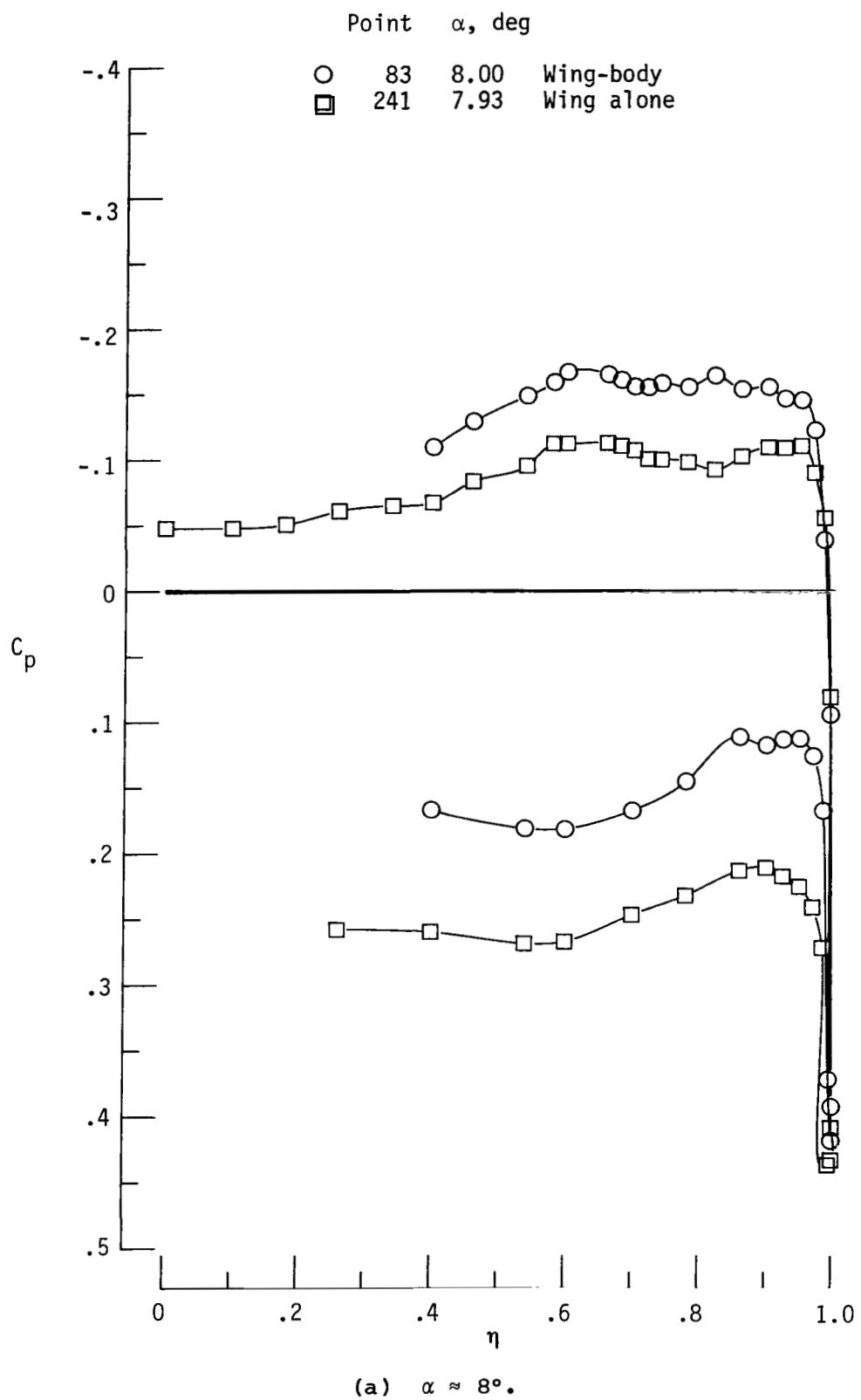
(b) $\alpha \approx 10^\circ$.

Figure 9.- Continued.



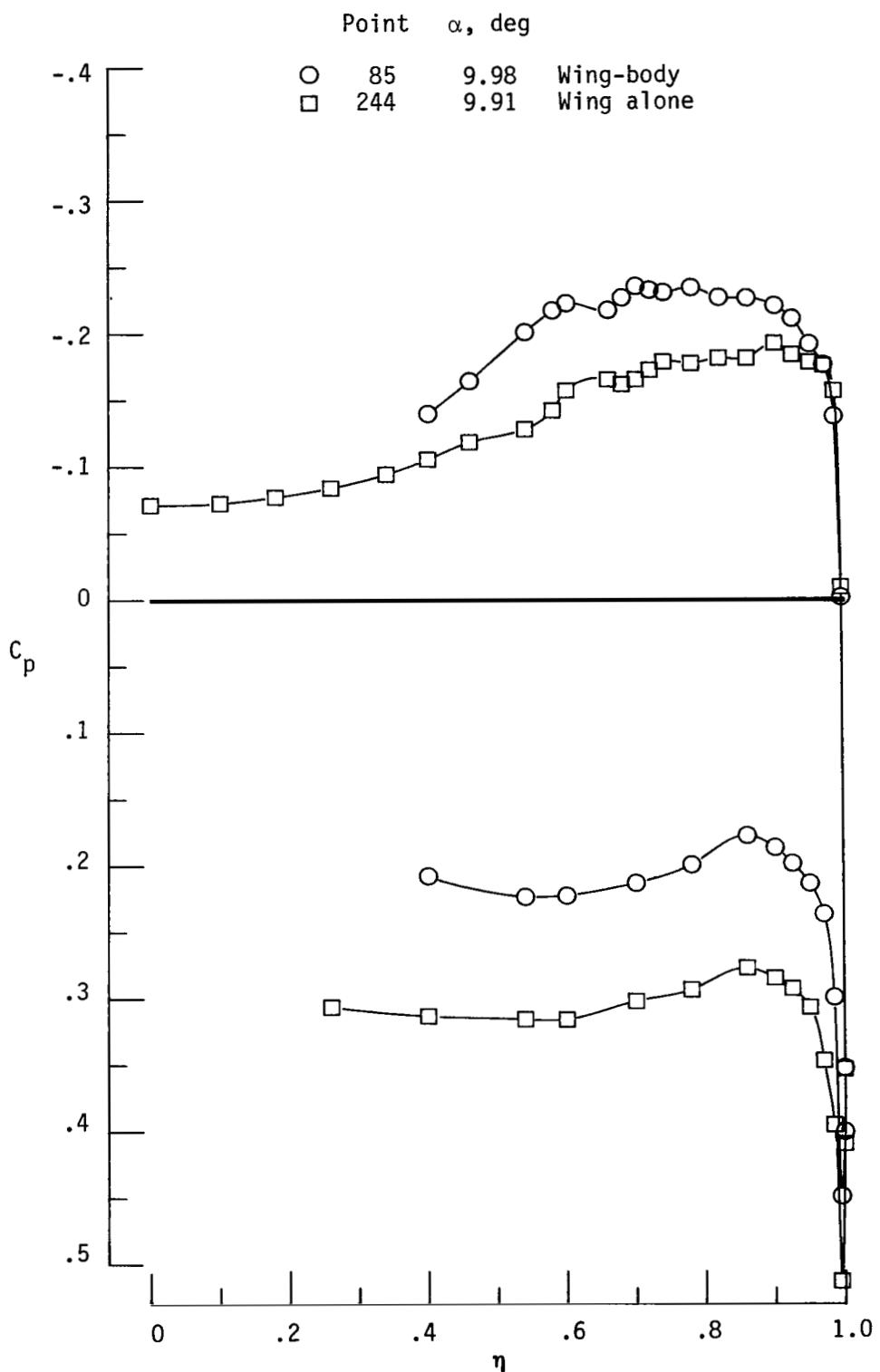
(c) $\alpha \approx 12^\circ$.

Figure 9.- Concluded.



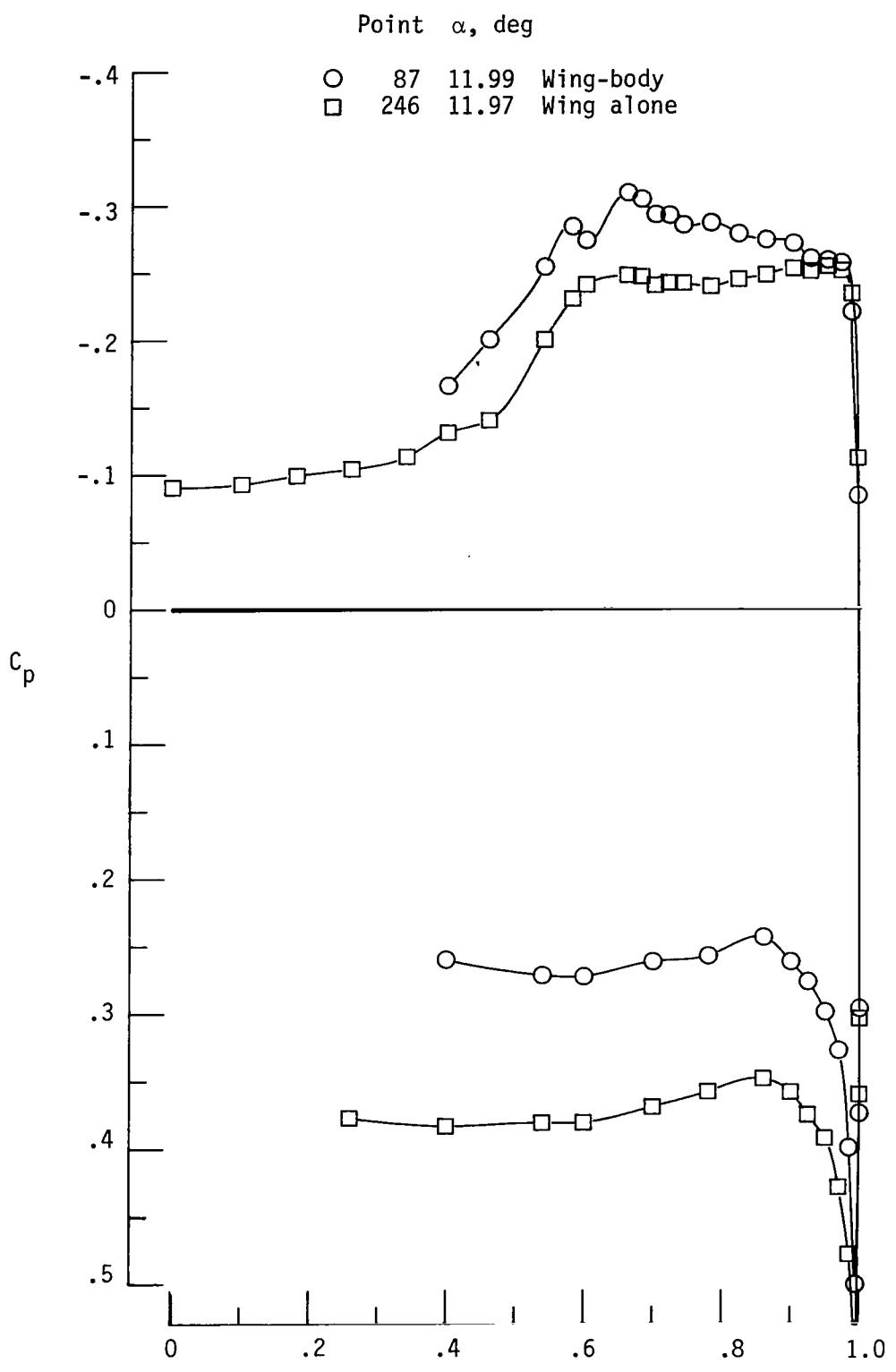
(a) $\alpha \approx 8^\circ$.

Figure 10.- Effect of cone-cylinder body (nose 1) on cambered-wing pressure distributions. $x/\lambda = 0.55$; $M = 1.62$.



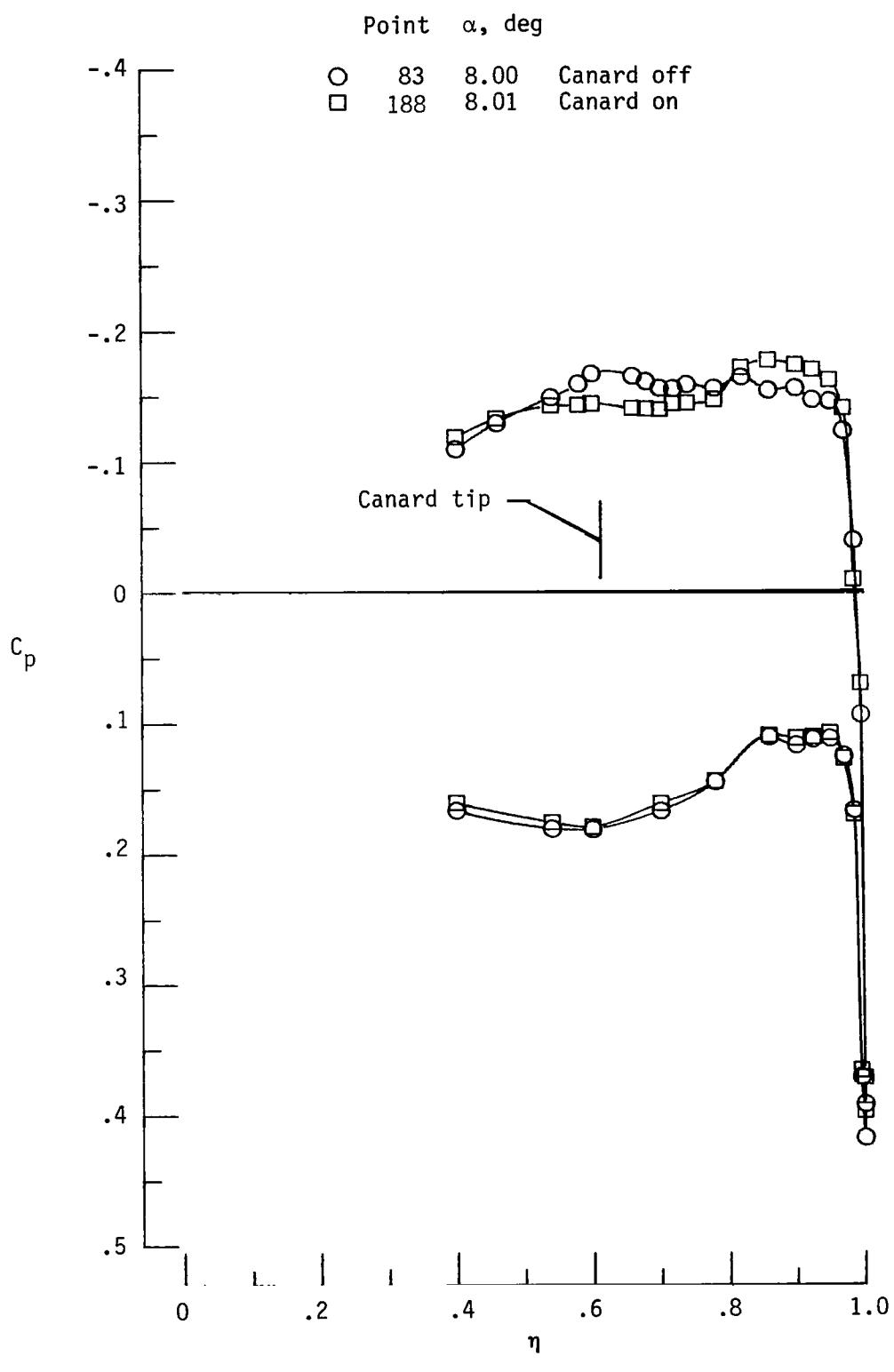
(b) $\alpha \approx 10^\circ$.

Figure 10.- Continued.



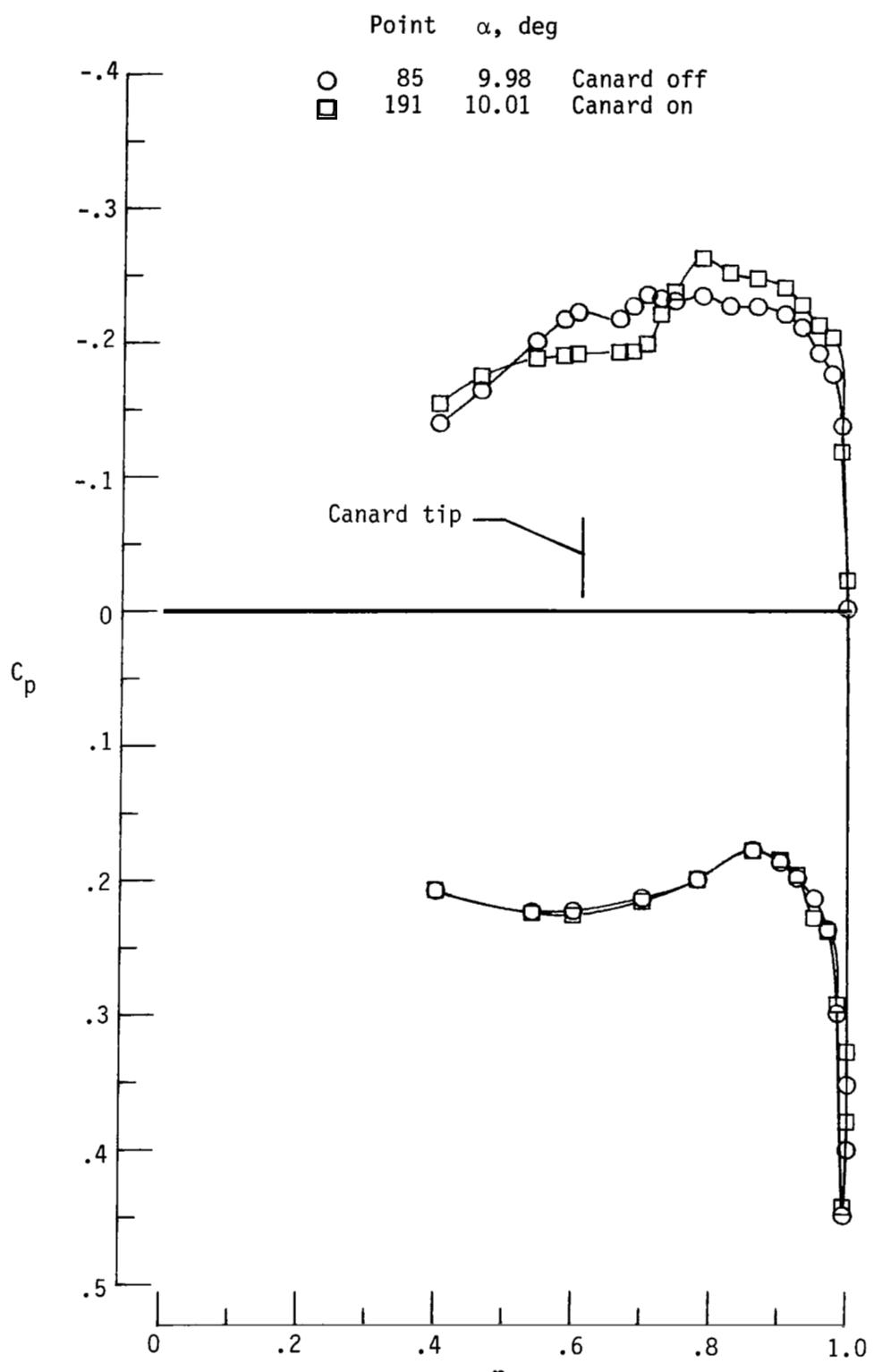
(c) $\alpha \approx 12^\circ$.

Figure 10.- Concluded.



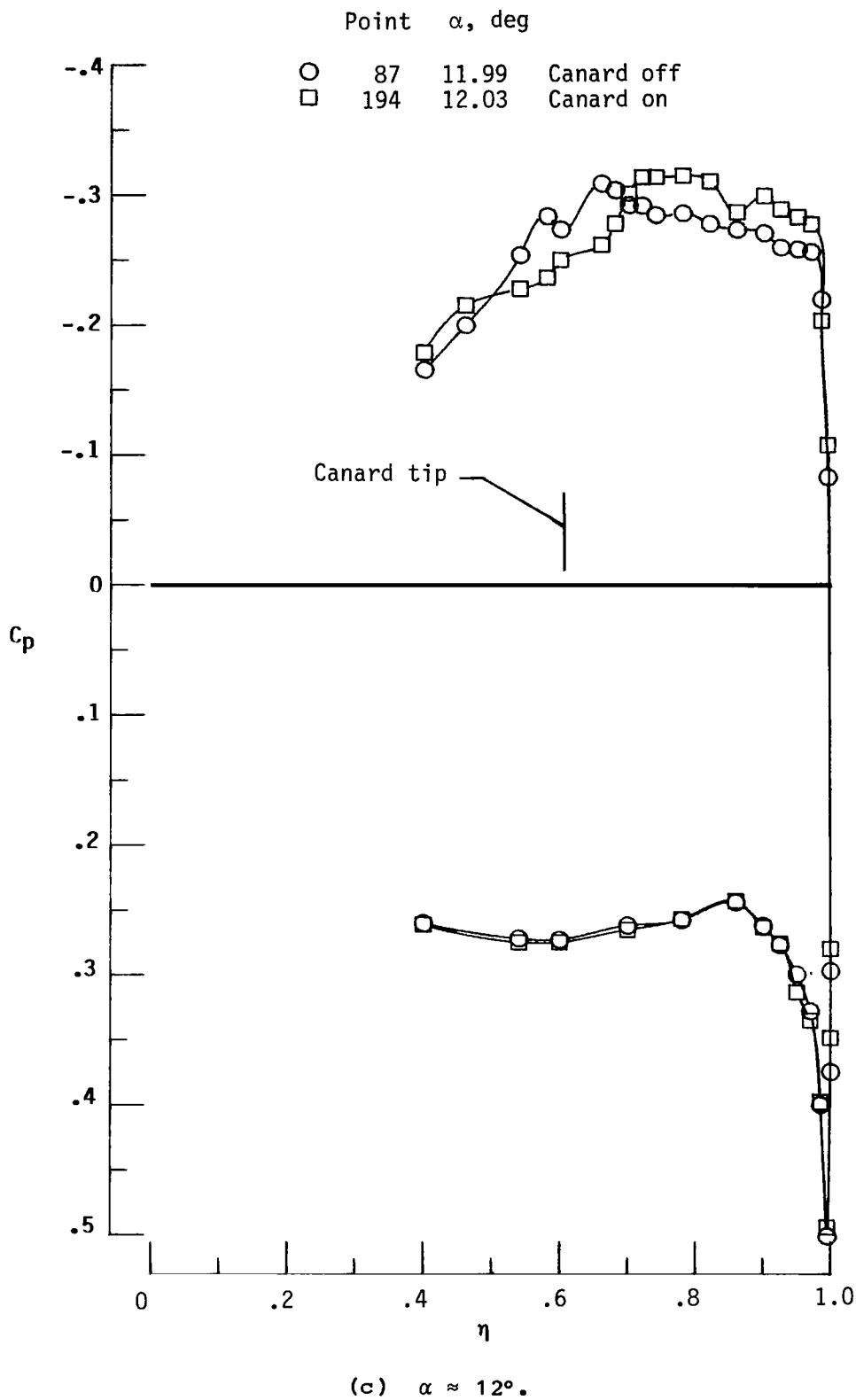
(a) $\alpha \approx 8^\circ$.

Figure 11.- Canard influence on cambered wing-body (nose 1) pressure distributions. $\delta_c = 0^\circ$; $x/\lambda = 0.55$; $M = 1.62$.



(b) $\alpha \approx 10^\circ$.

Figure 11.- Continued.



(c) $\alpha \approx 12^\circ$.

Figure 11.- Concluded.

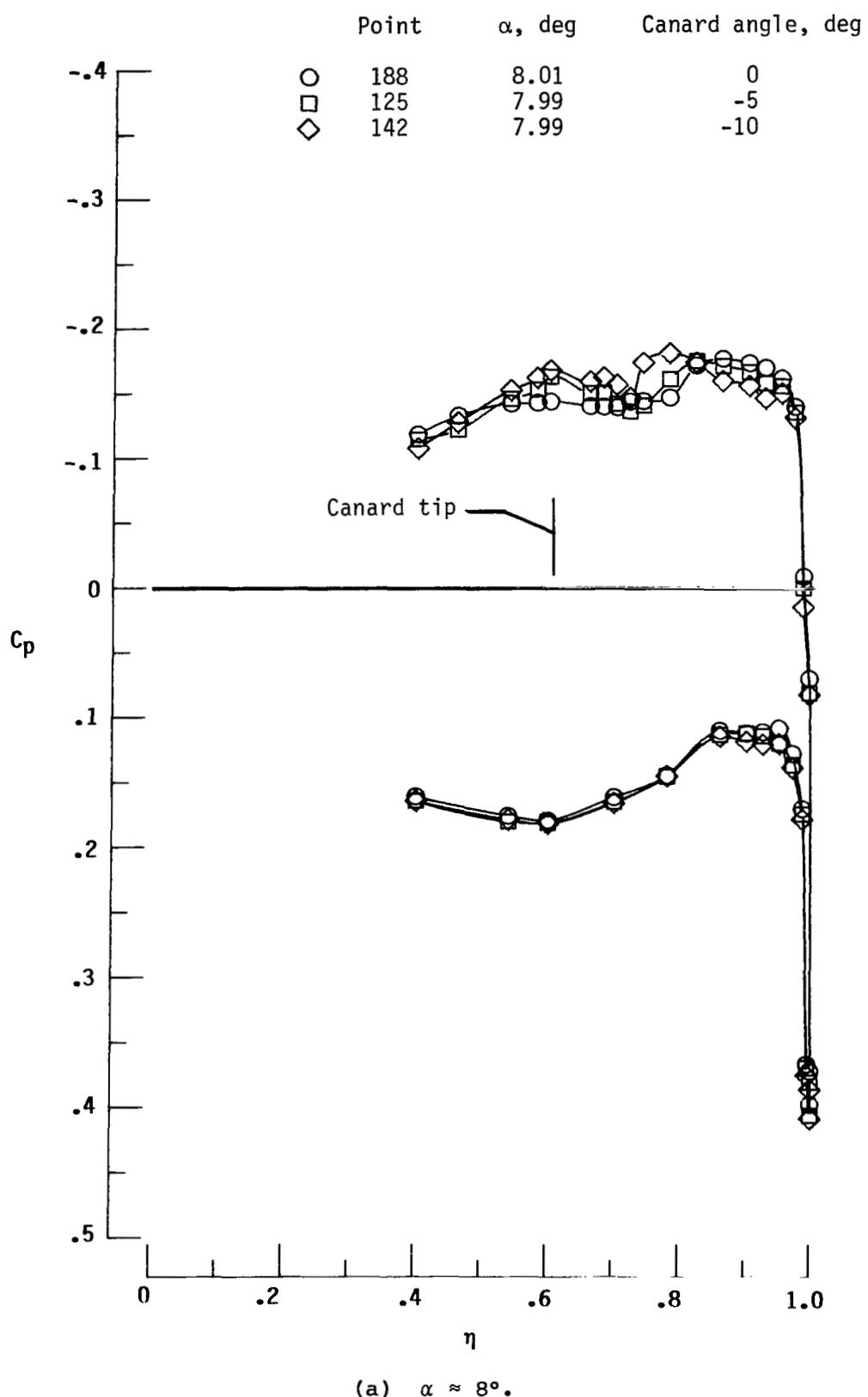
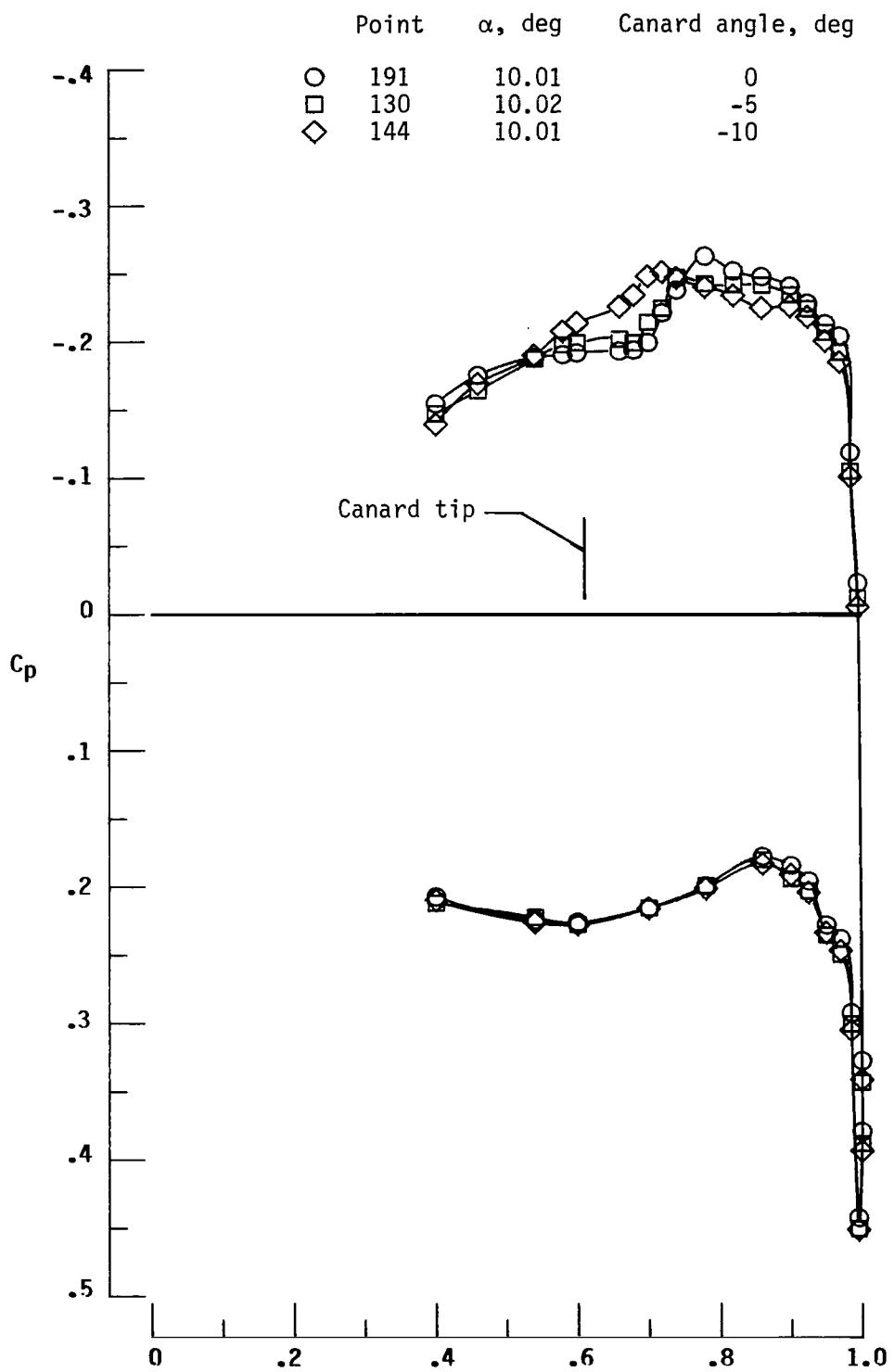
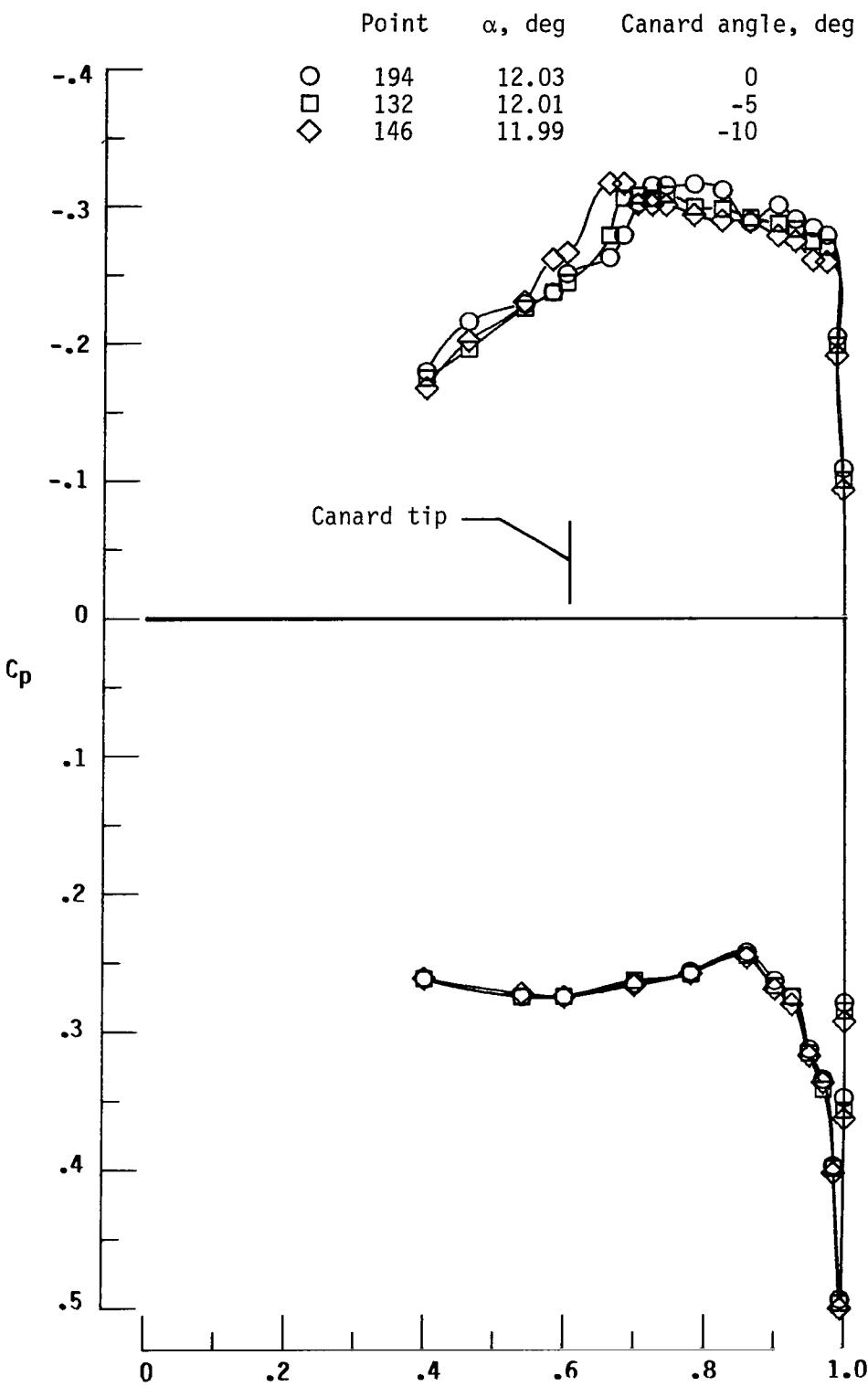


Figure 12.- Effect of canard incidence angle on cambered-wing pressure distributions. $x/\lambda = 0.55$; $M = 1.62$.



(b) $\alpha \approx 10^\circ$.

Figure 12.- Continued.



(c) $\alpha \approx 12^\circ$.

Figure 12.- Concluded.

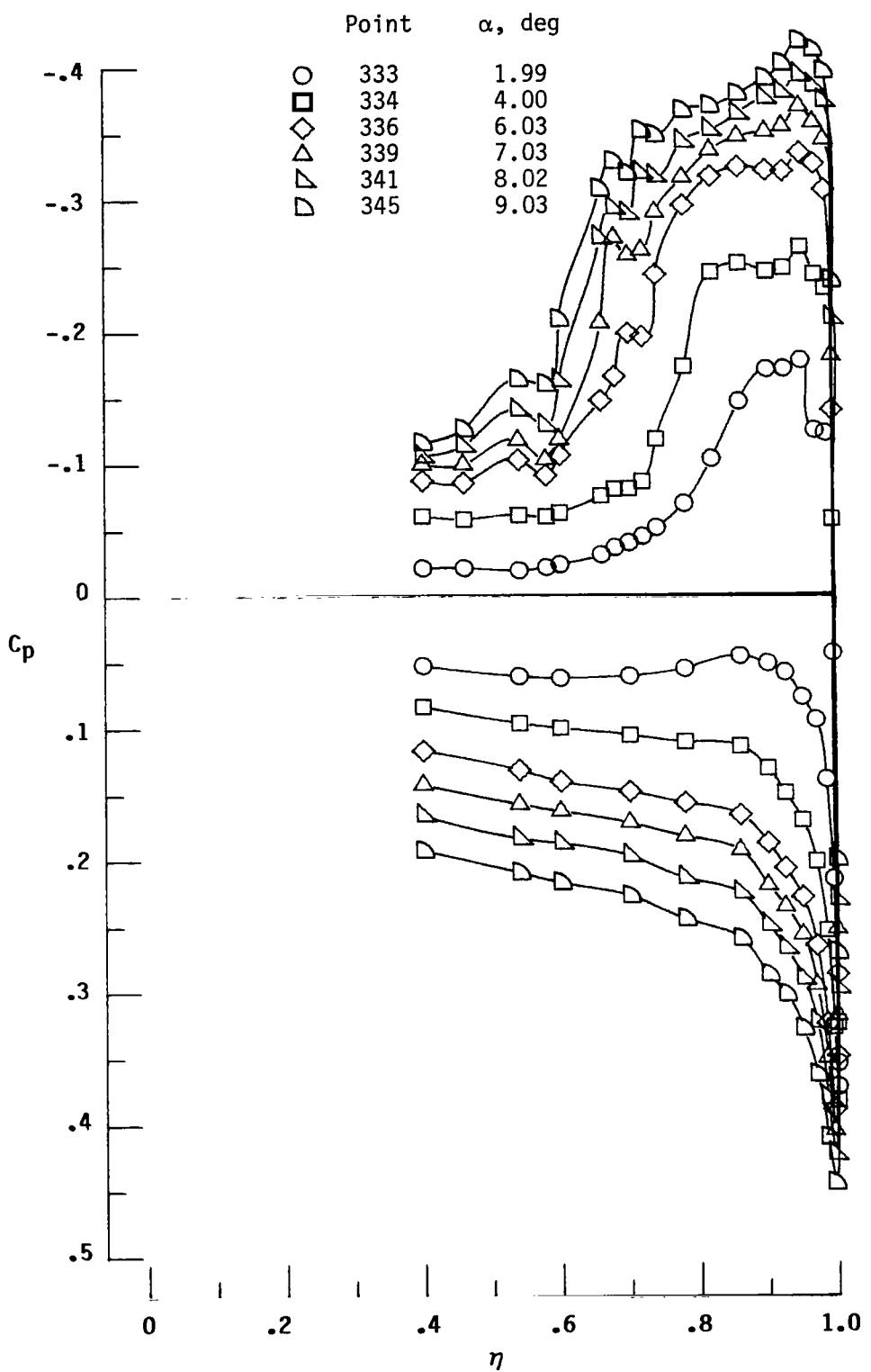


Figure 13.- Summary of pressure-coefficient data for flat wing-body model (nose 1). $x/\lambda = 0.55$; $M = 1.62$.

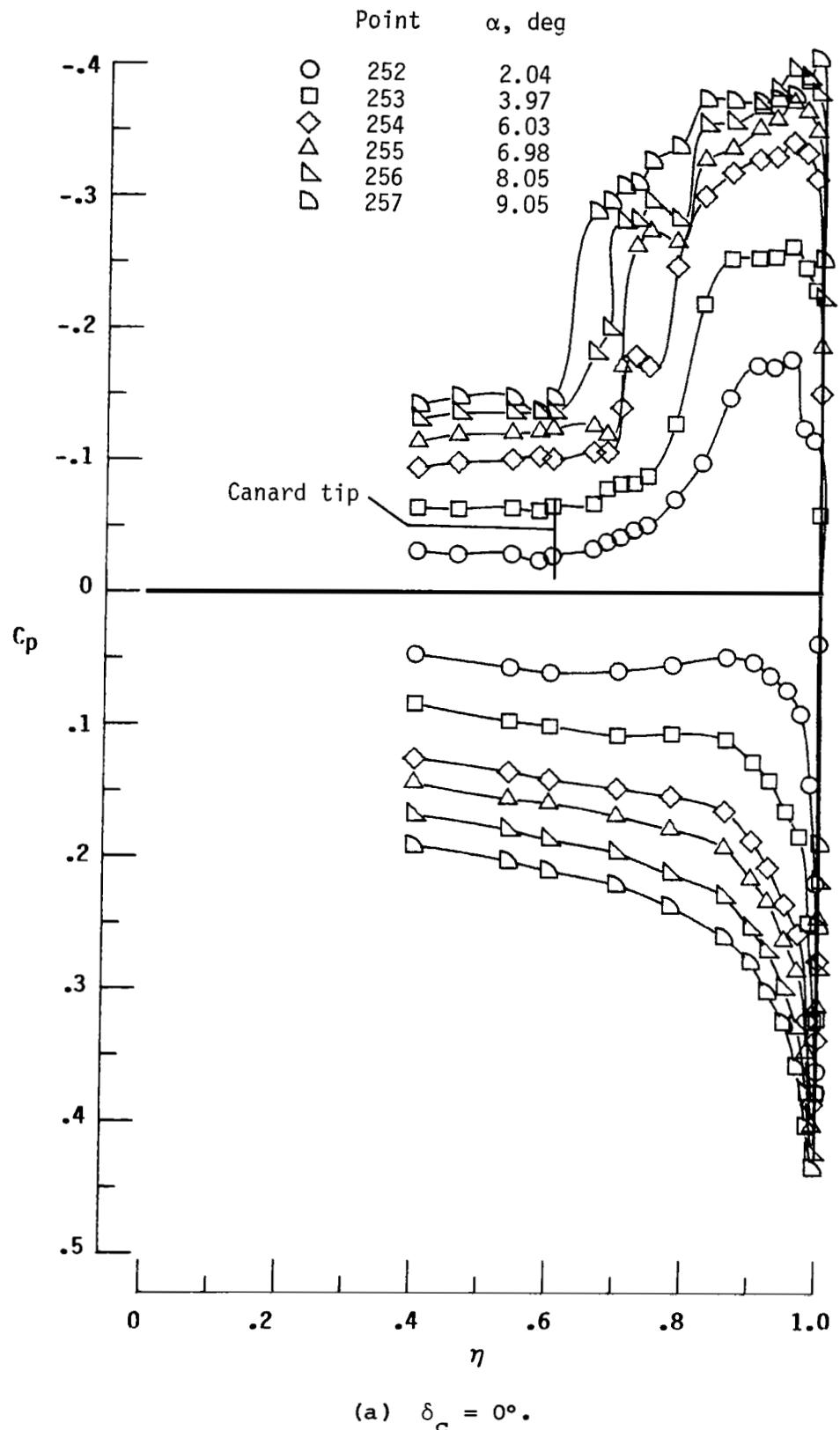
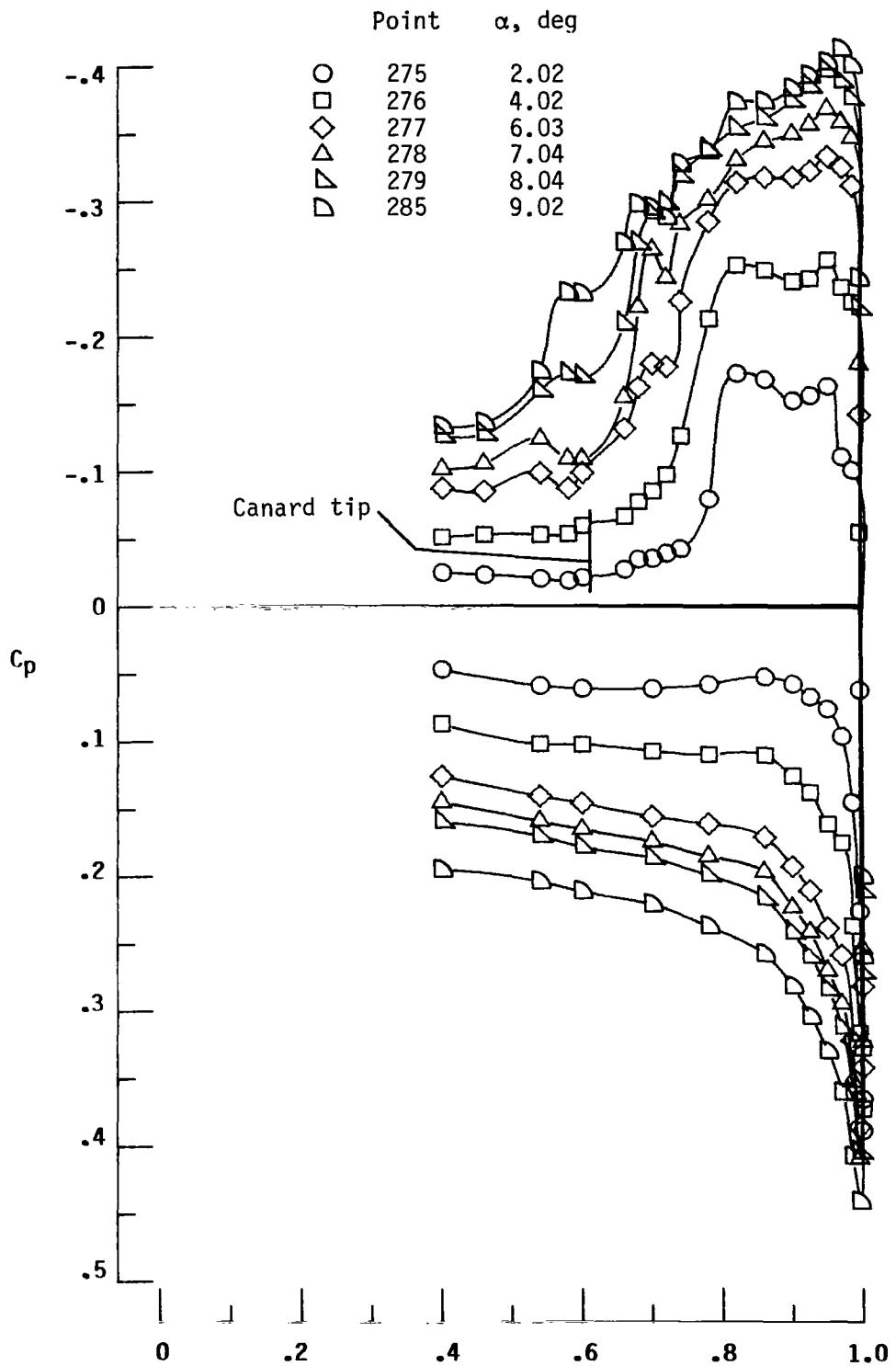
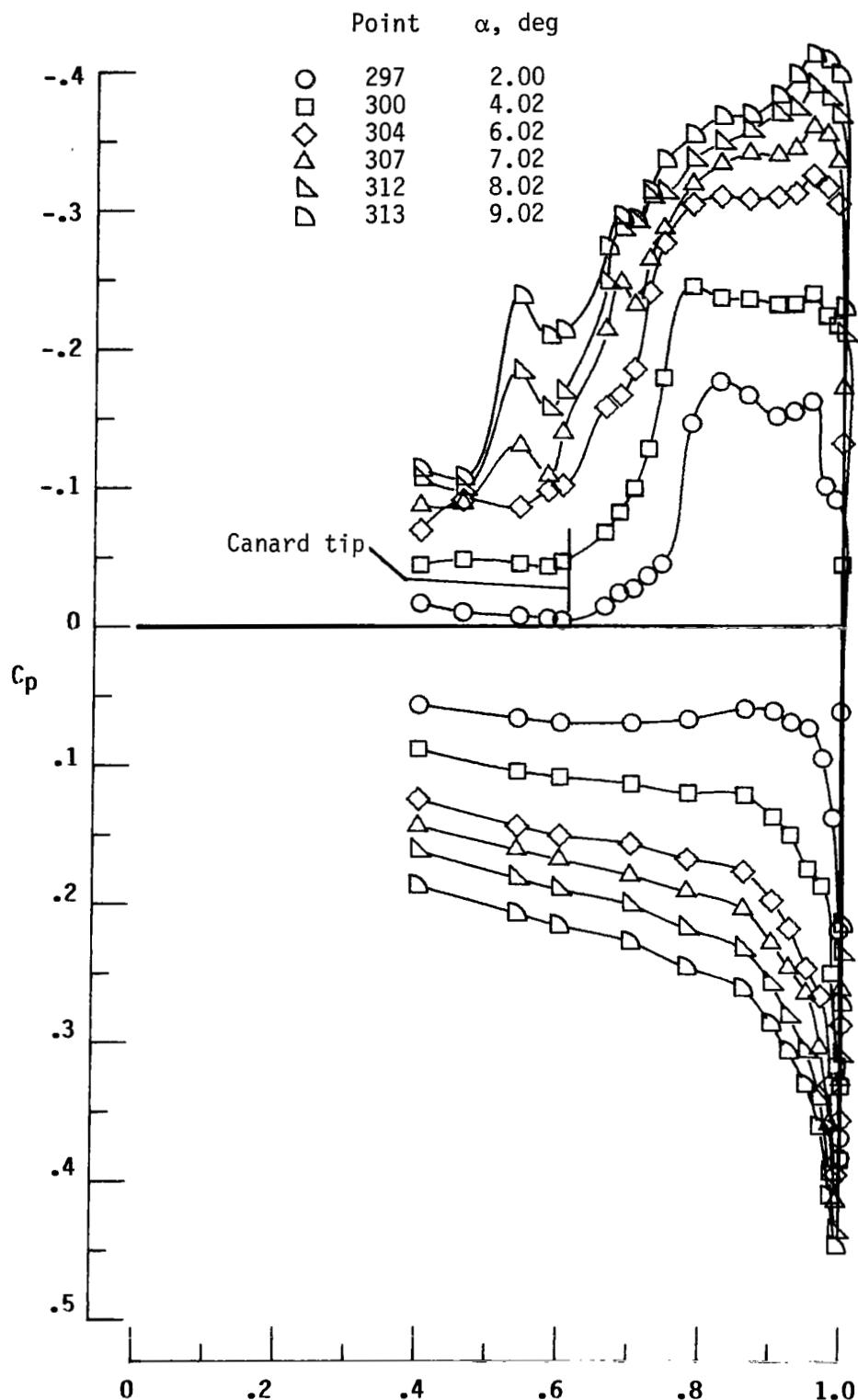


Figure 14.- Summary of pressure-coefficient data for flat wing-body-canard model (nose 1). $x/l = 0.55$; $M = 1.62$.



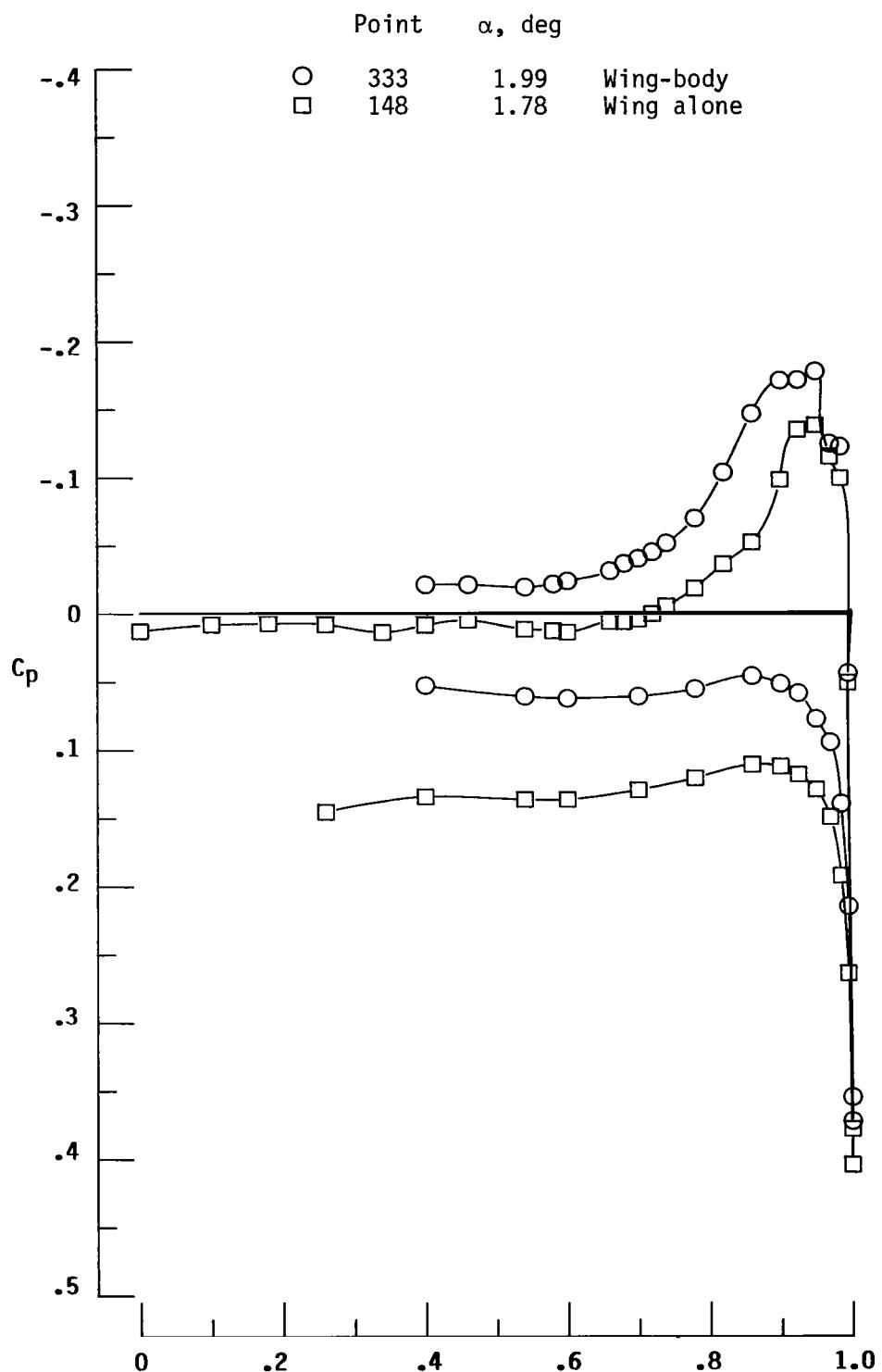
(b) $\delta_c = -5^\circ$.

Figure 14.- Continued.



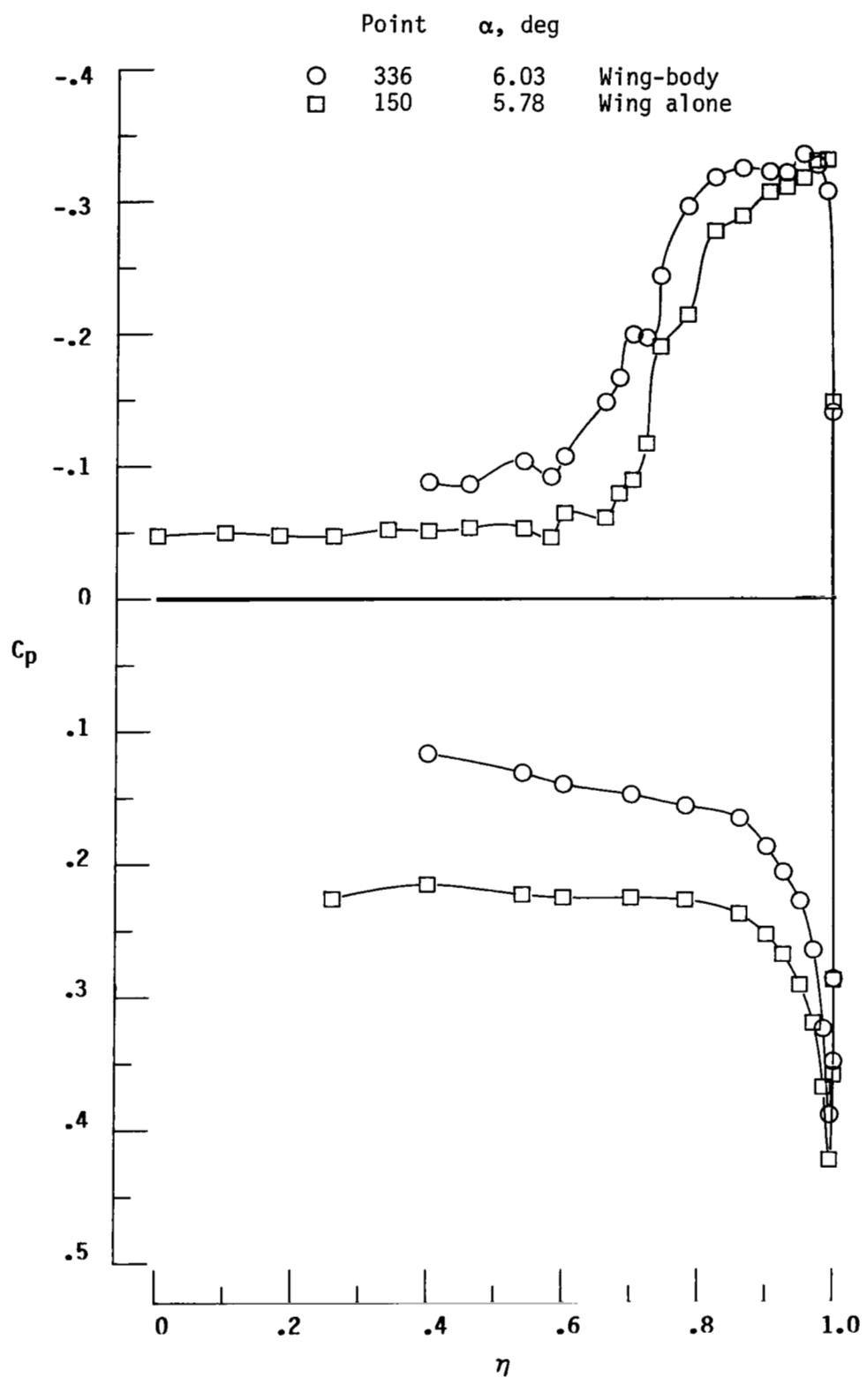
(c) $\delta_c = -10^\circ$.

Figure 14.- Concluded.



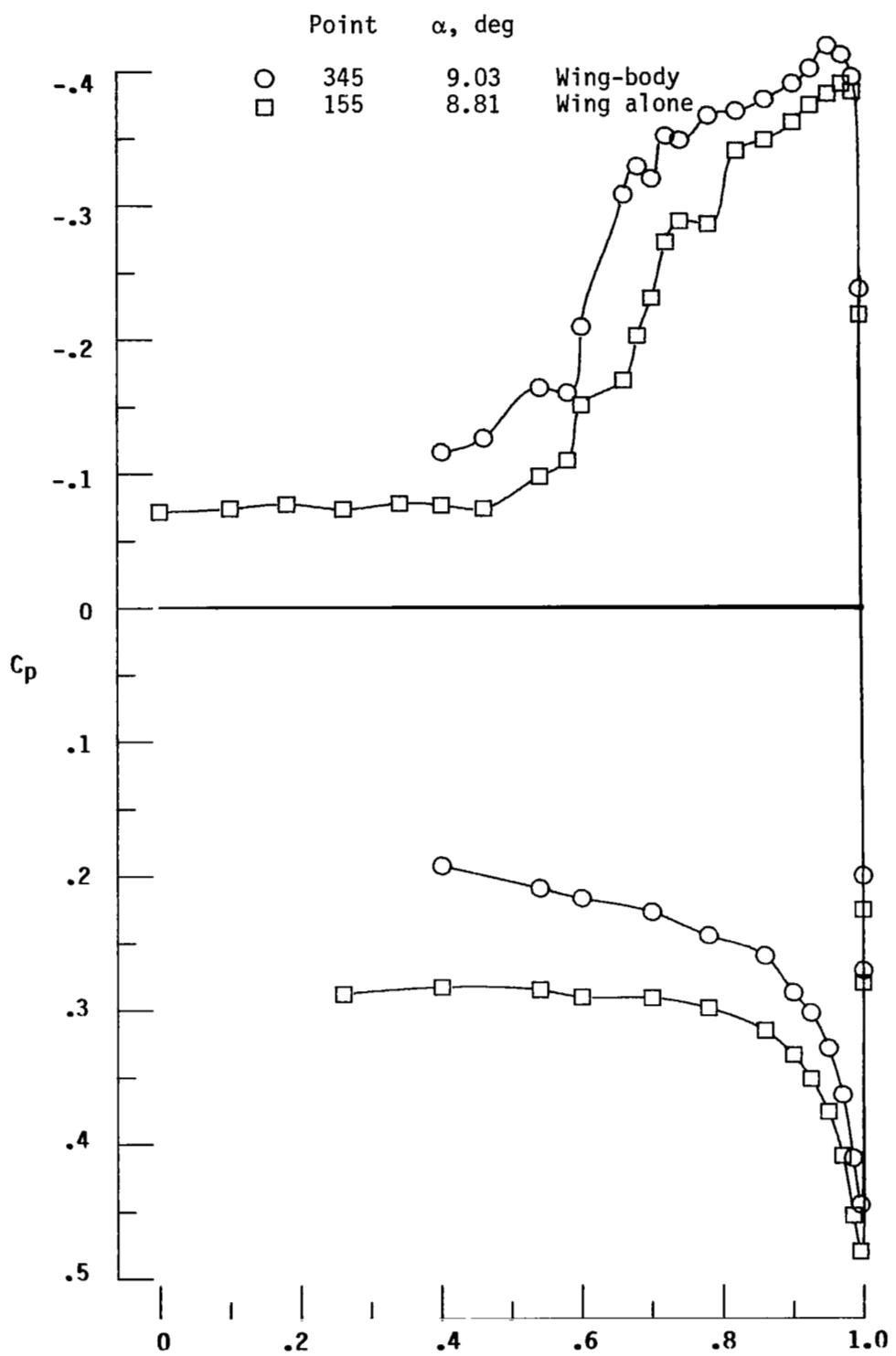
(a) $\alpha \approx 2^\circ$.

Figure 15.- Effect of cone-cylinder body (nose 1) on flat-wing pressure distributions. $x/\ell = 0.55$; $M = 1.62$.



(b) $\alpha \approx 6^\circ$.

Figure 15.- Continued.



(c) $\alpha \approx 9^\circ$.

Figure 15.- Concluded.

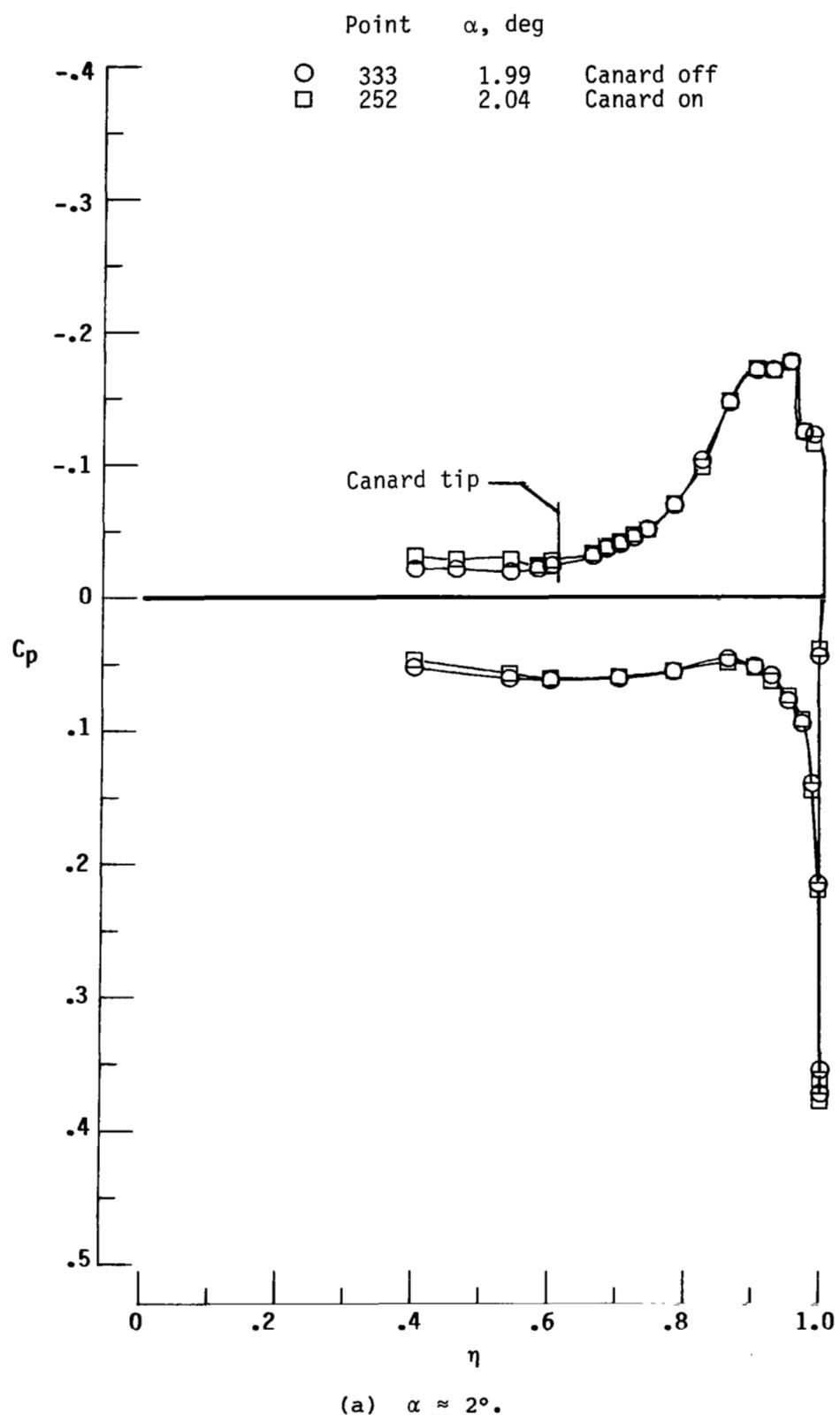
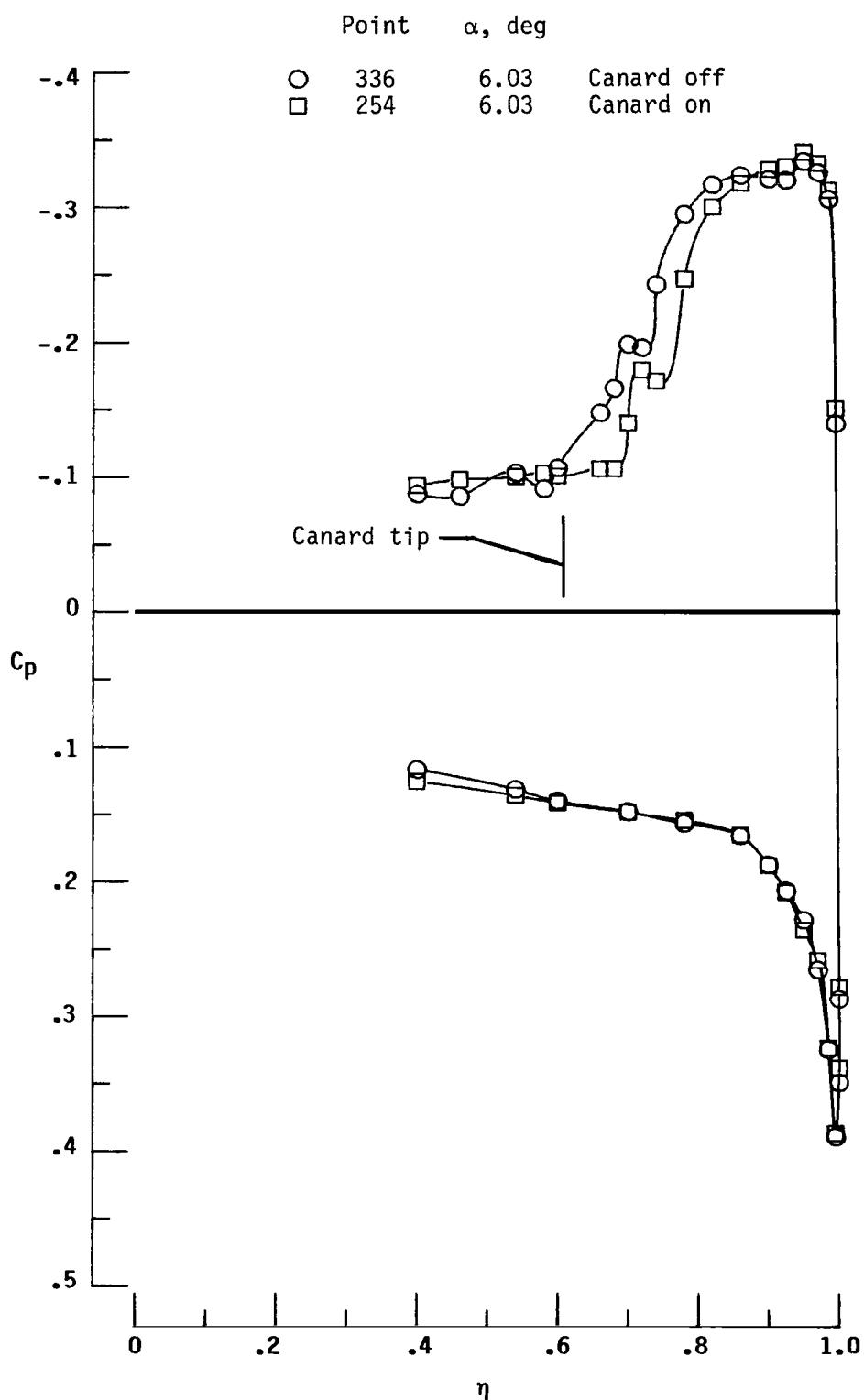
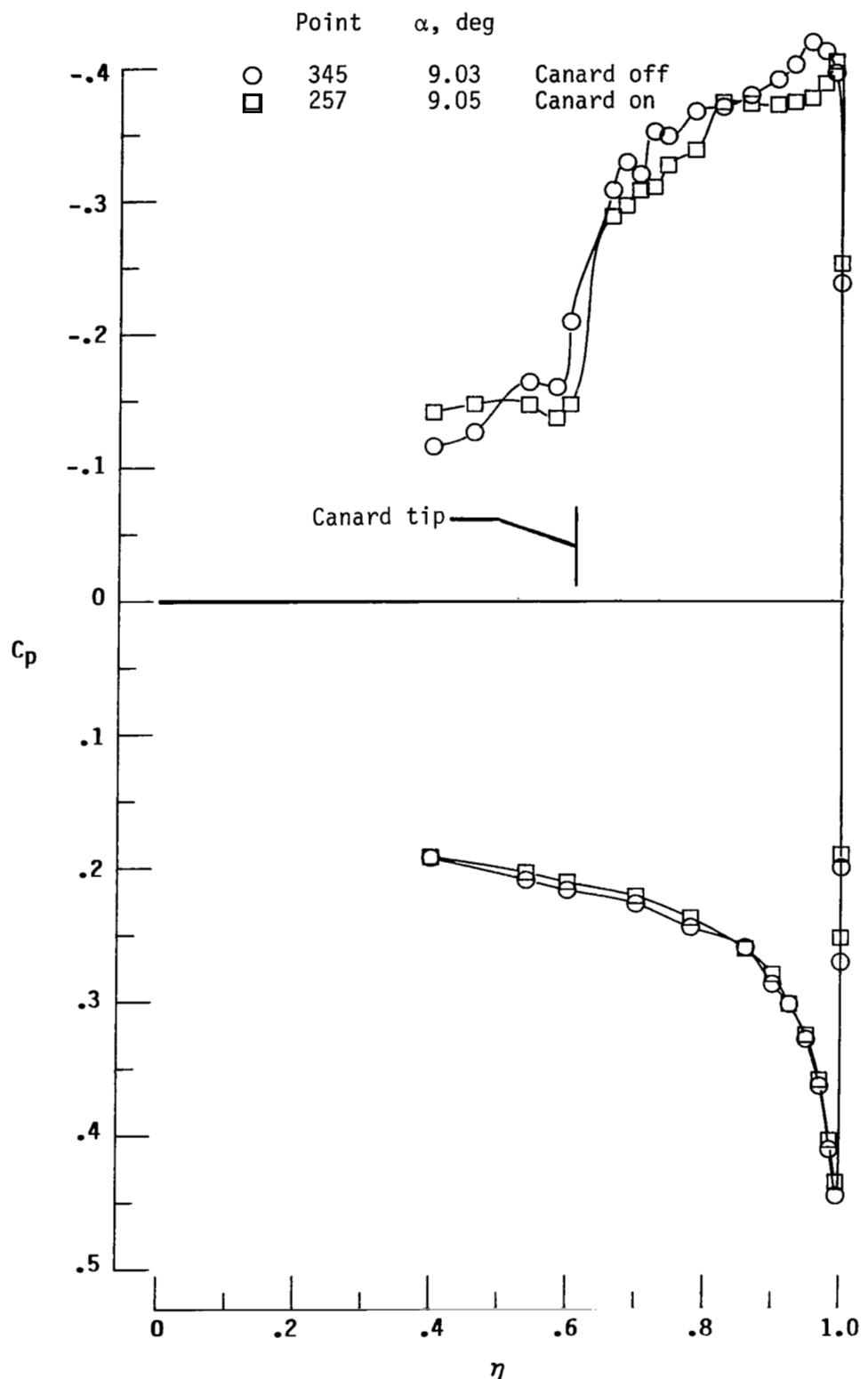


Figure 16.- Canard influence on flat wing-body (nose 1) pressure distributions. $x/\lambda = 0.55$; $M = 1.62$.



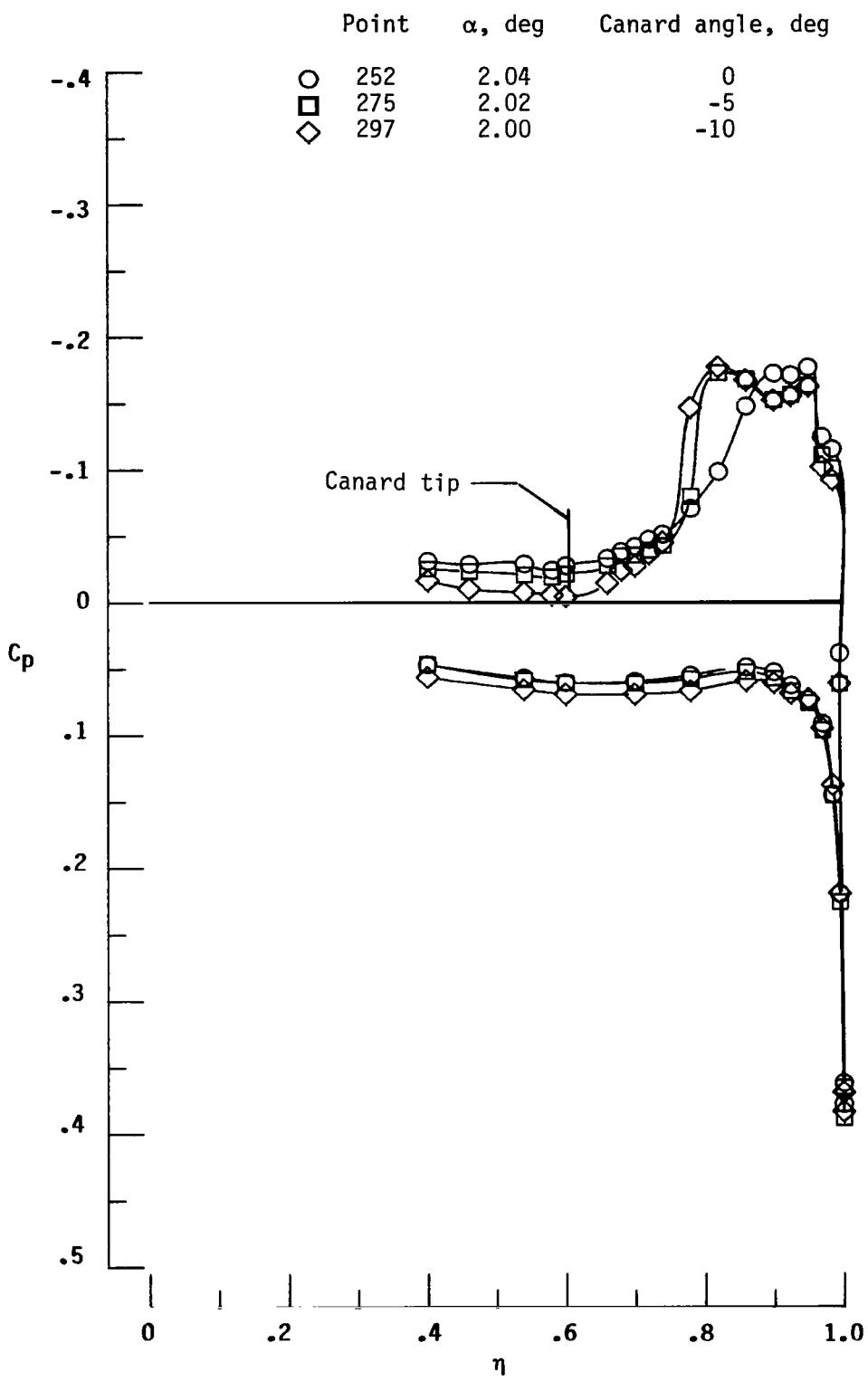
(b) $\alpha \approx 6^\circ$.

Figure 16.- Continued.



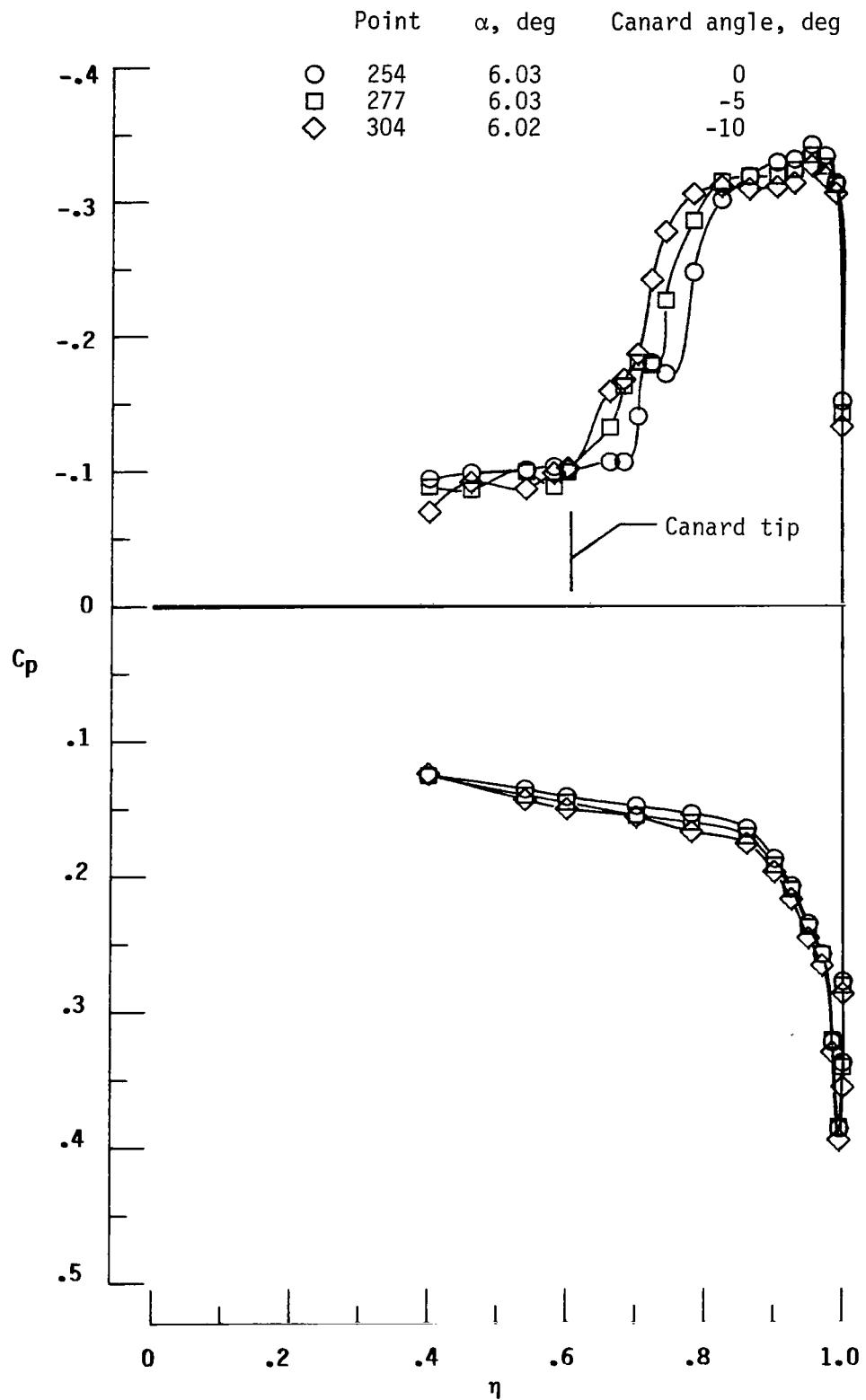
(c) $\alpha \approx 9^\circ$.

Figure 16.- Concluded.



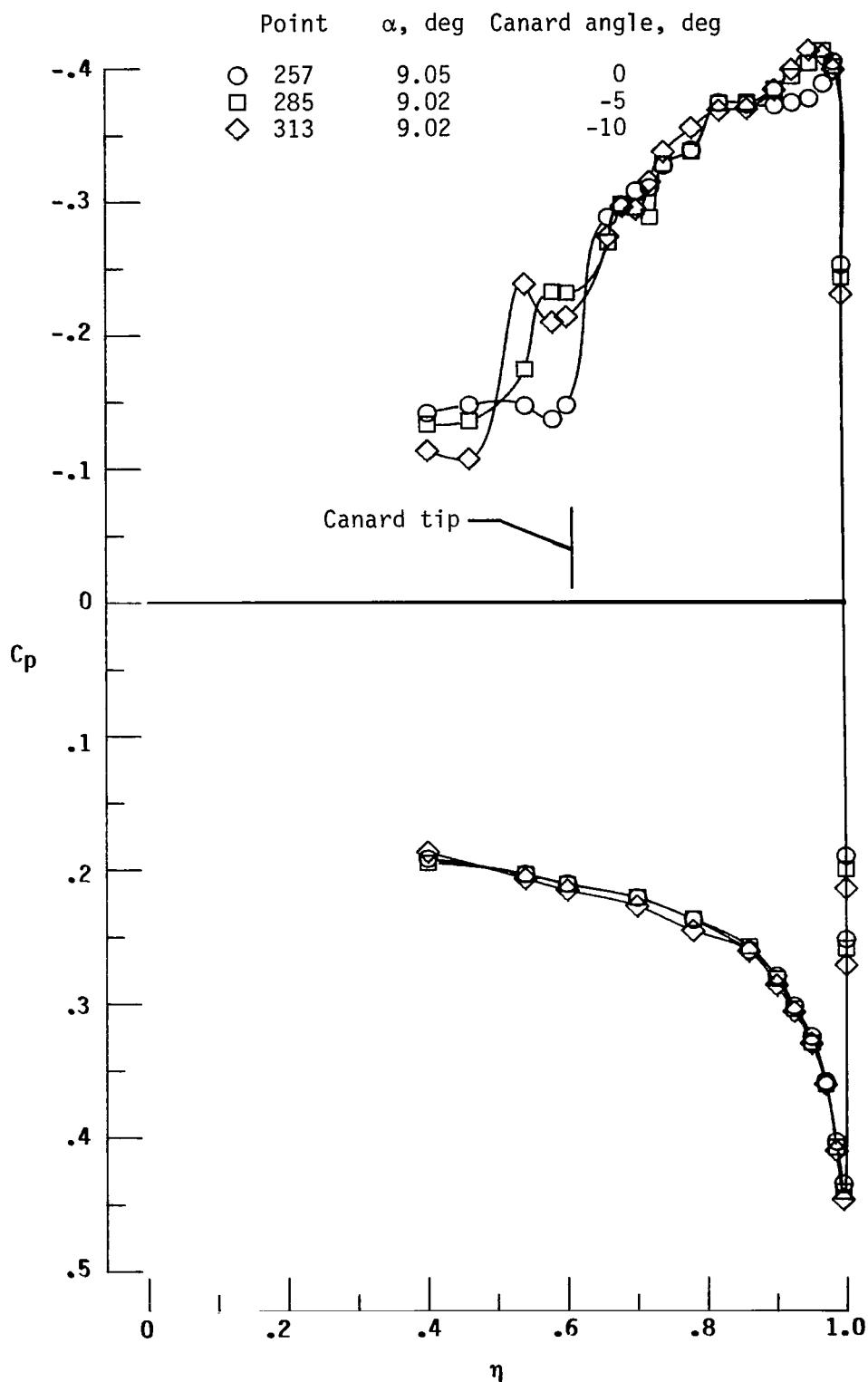
(a) $\alpha \approx 2^\circ$.

Figure 17.- Effect of canard incidence angle on flat-wing pressure distributions. $\delta_c = 0^\circ$; $x/\lambda = 0.55$; $M = 1.62$.



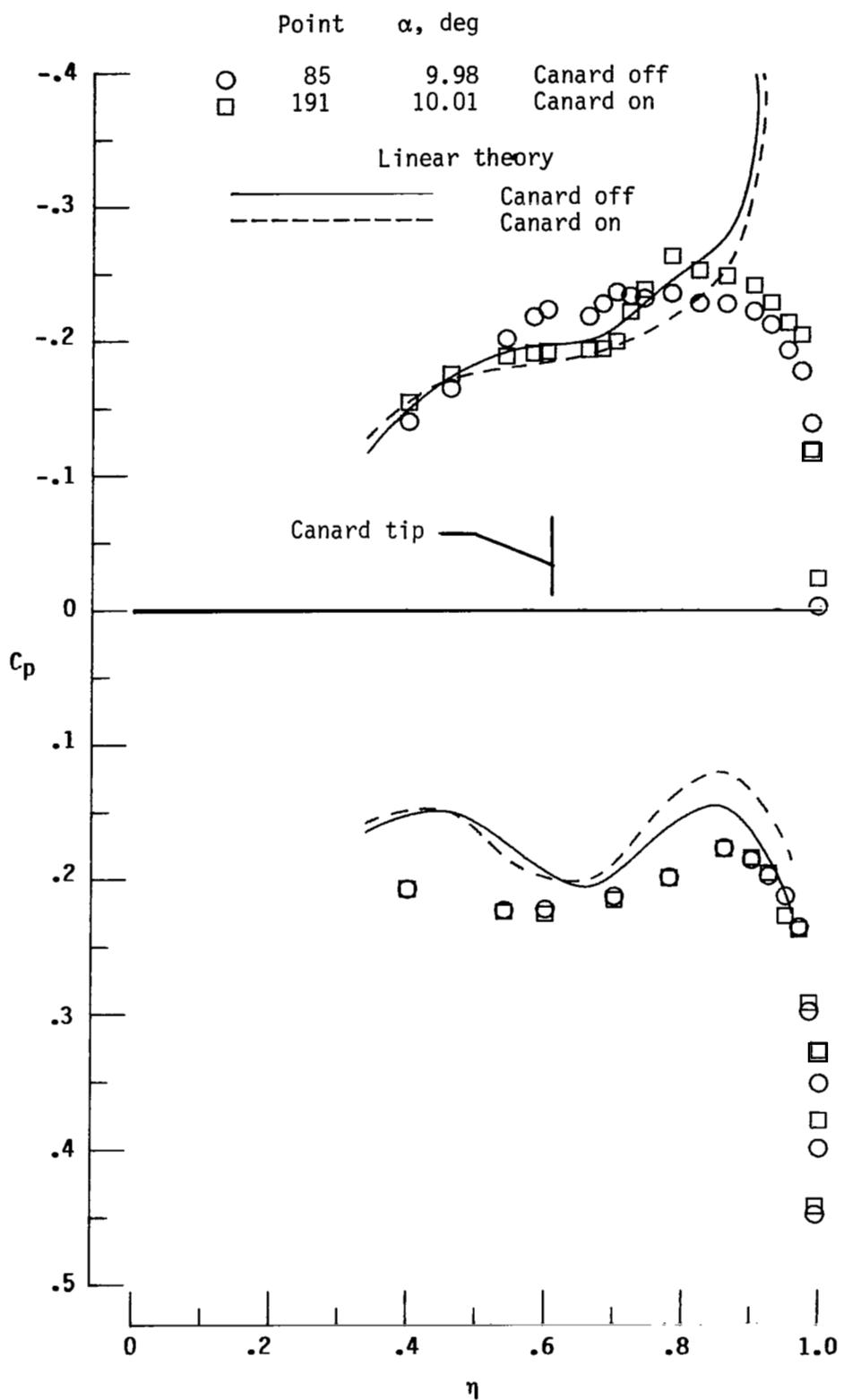
(b) $\alpha \approx 6^\circ$.

Figure 17.- Continued.



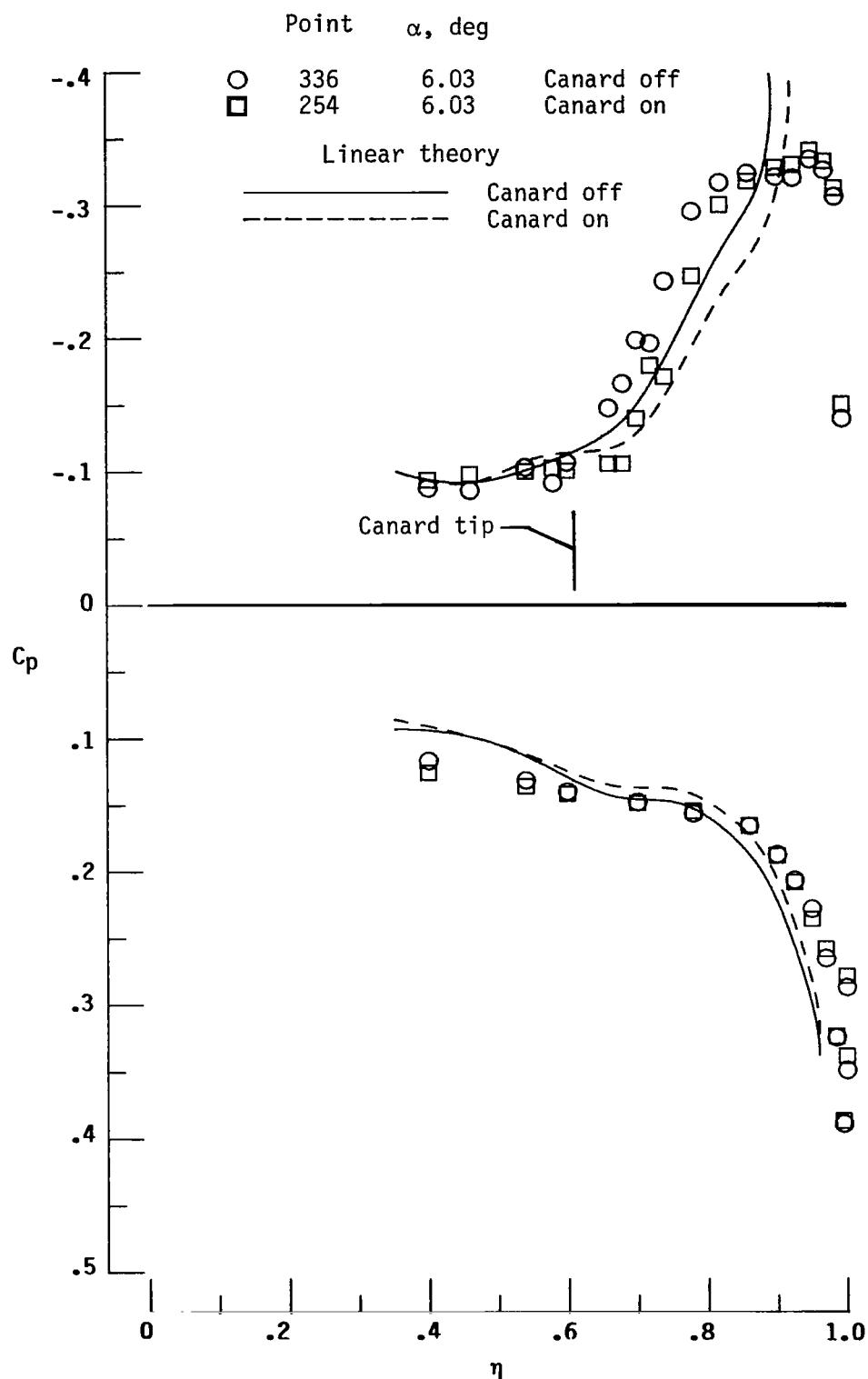
(c) $\alpha \approx 9^\circ$.

Figure 17.- Concluded.



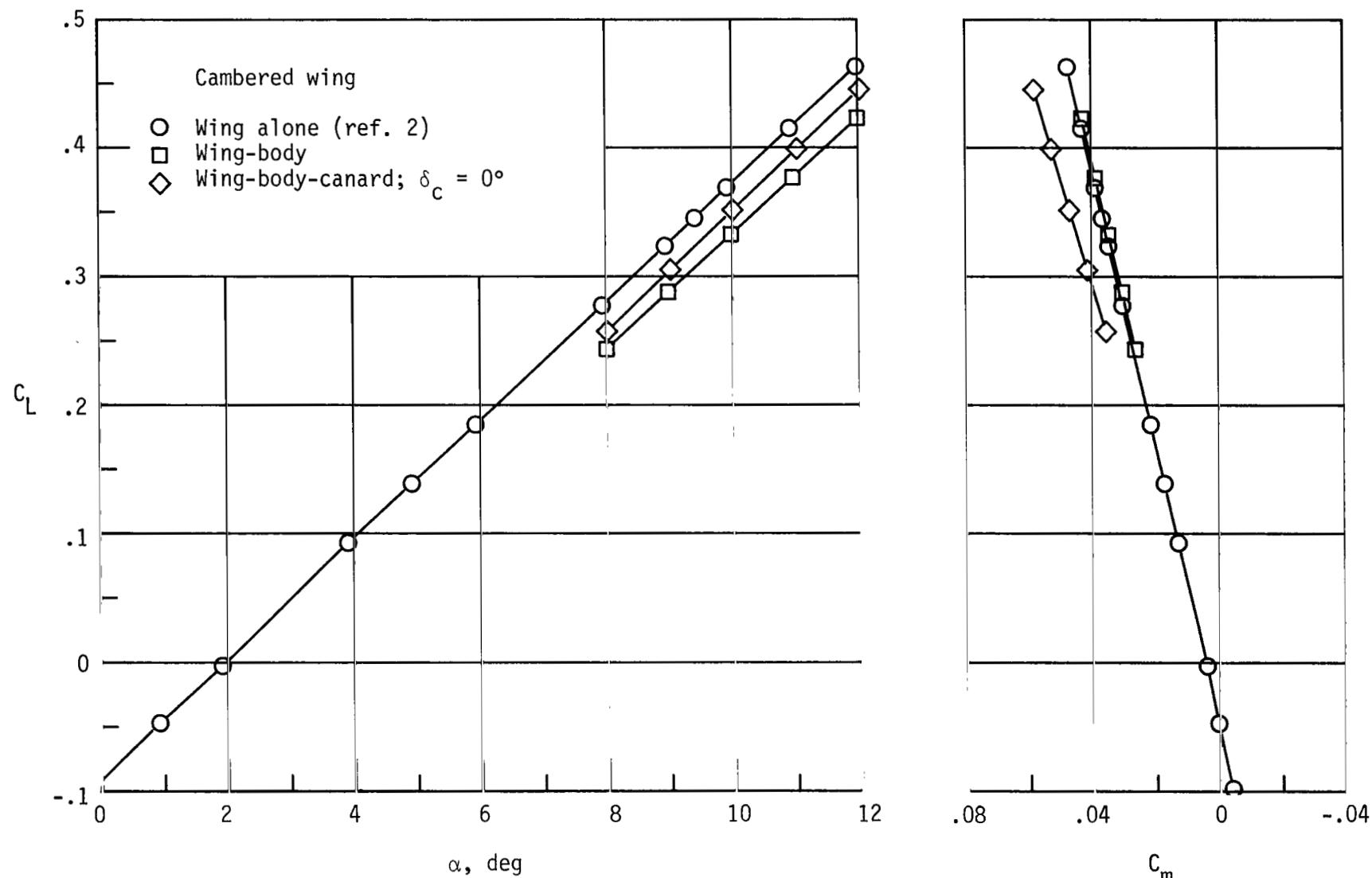
(a) Cambered wing-body model (nose 1). $\alpha \approx 10^\circ$.

Figure 18.- Comparison of linear theory and experimental pressure data for canard on and canard off. $x/l = 0.55$; $M = 1.62$.



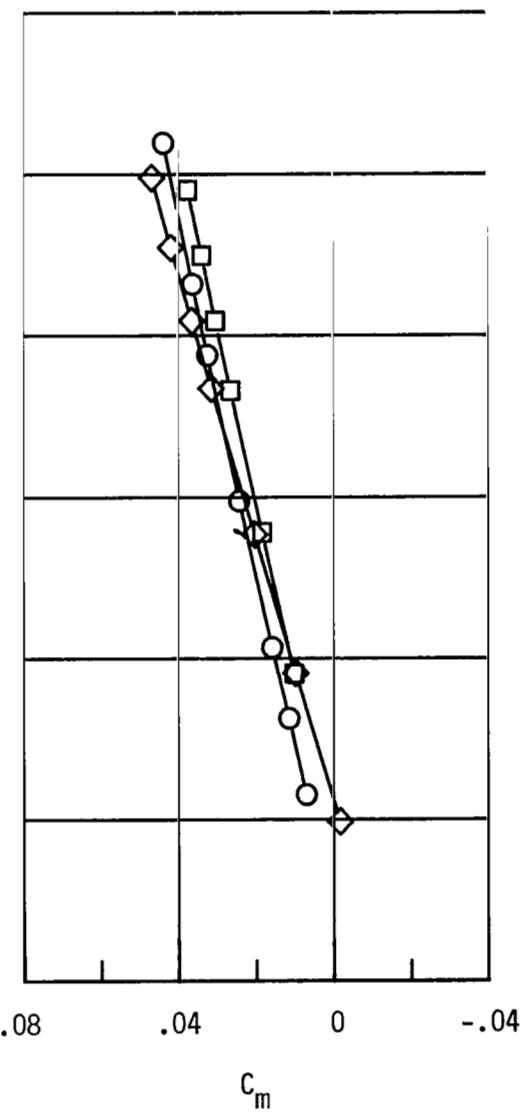
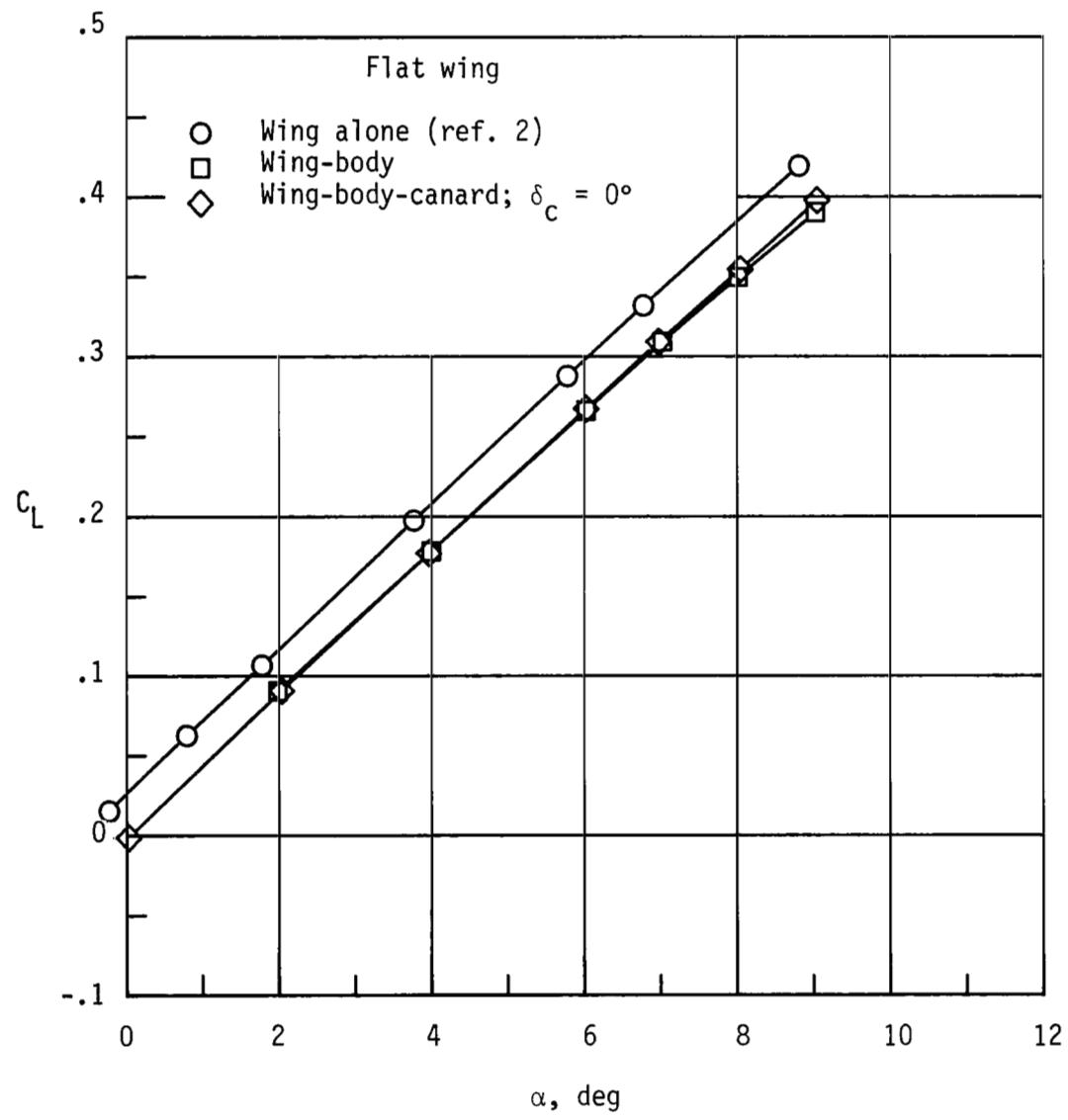
(b) Flat wing-body model (nose 1). $\alpha \approx 6^\circ$.

Figure 18.- Concluded.



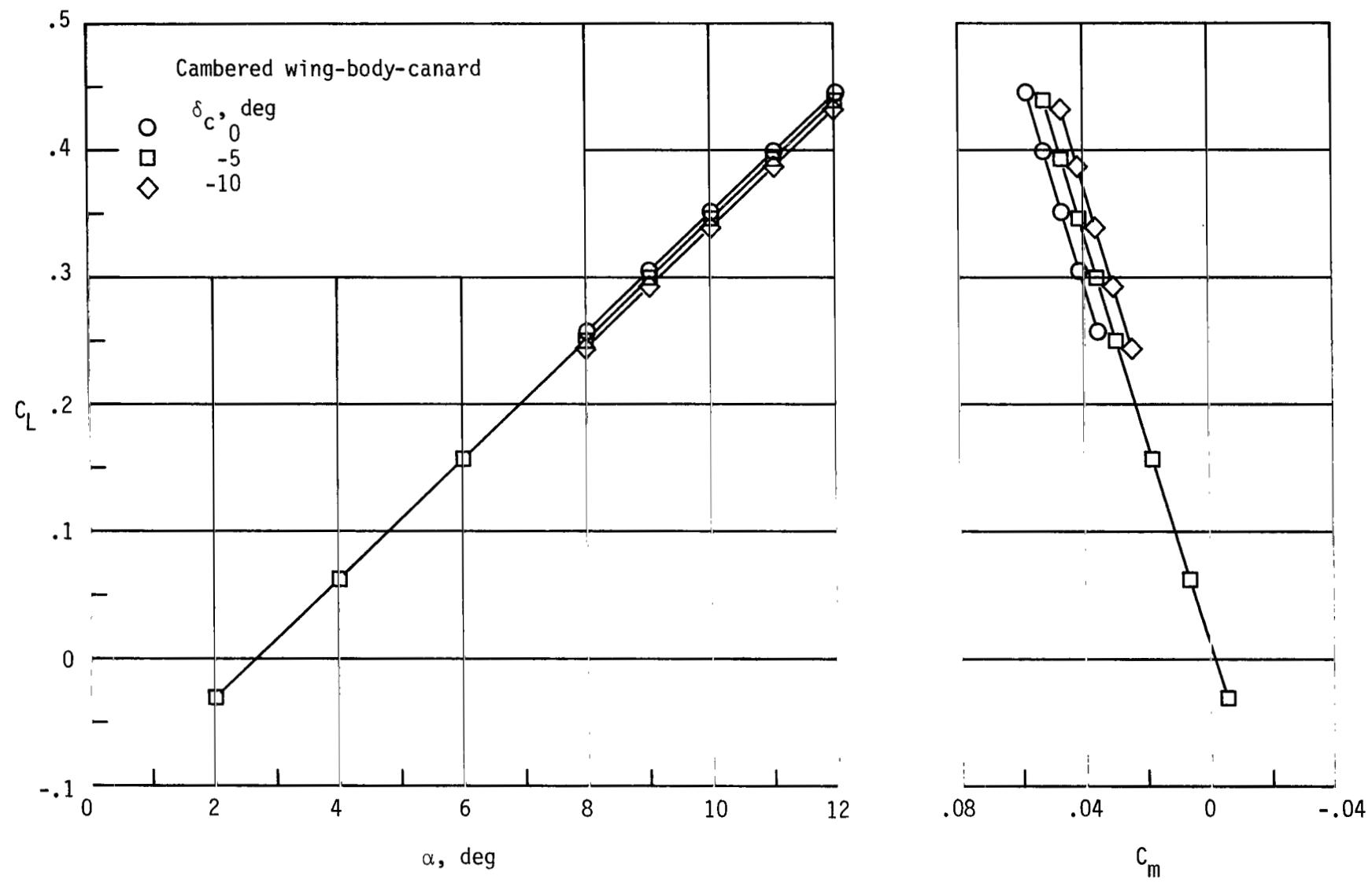
(a) Cambered-wing configurations.

Figure 19.- Effect of body and canards on experimental lift and pitching-moment data at $M = 1.62$.



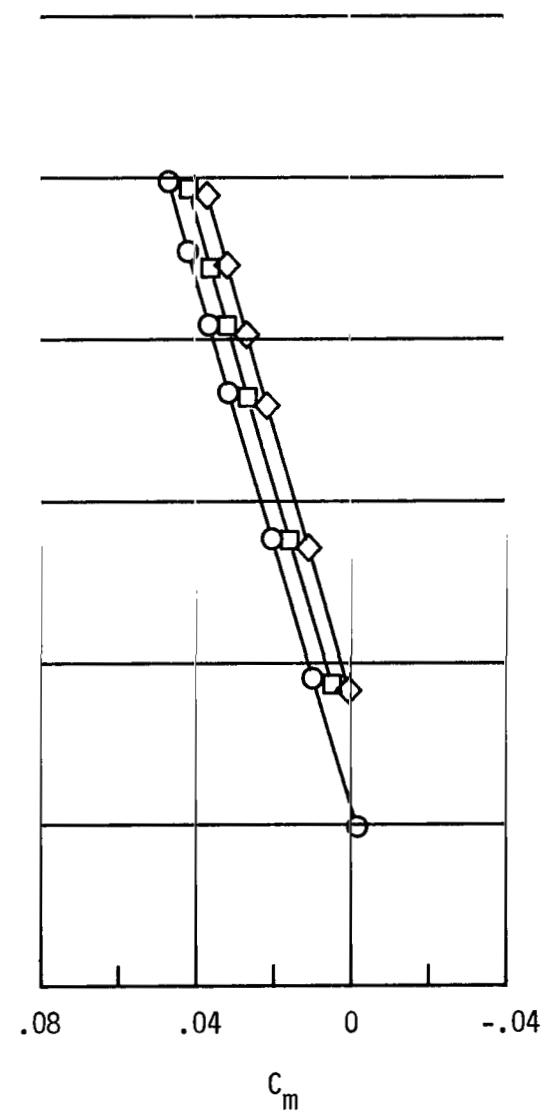
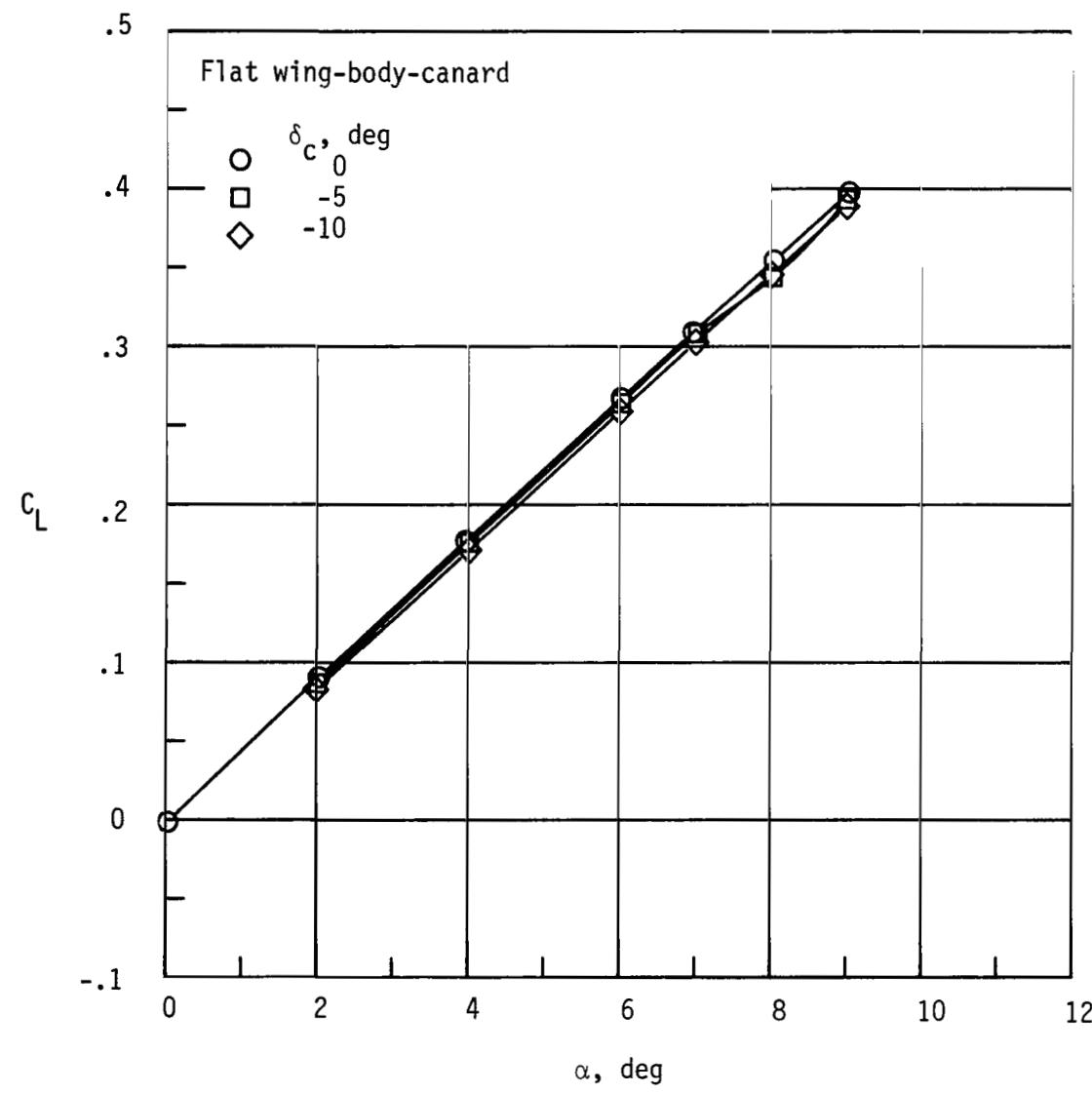
(b) Flat-wing configurations.

Figure 19.- Concluded.



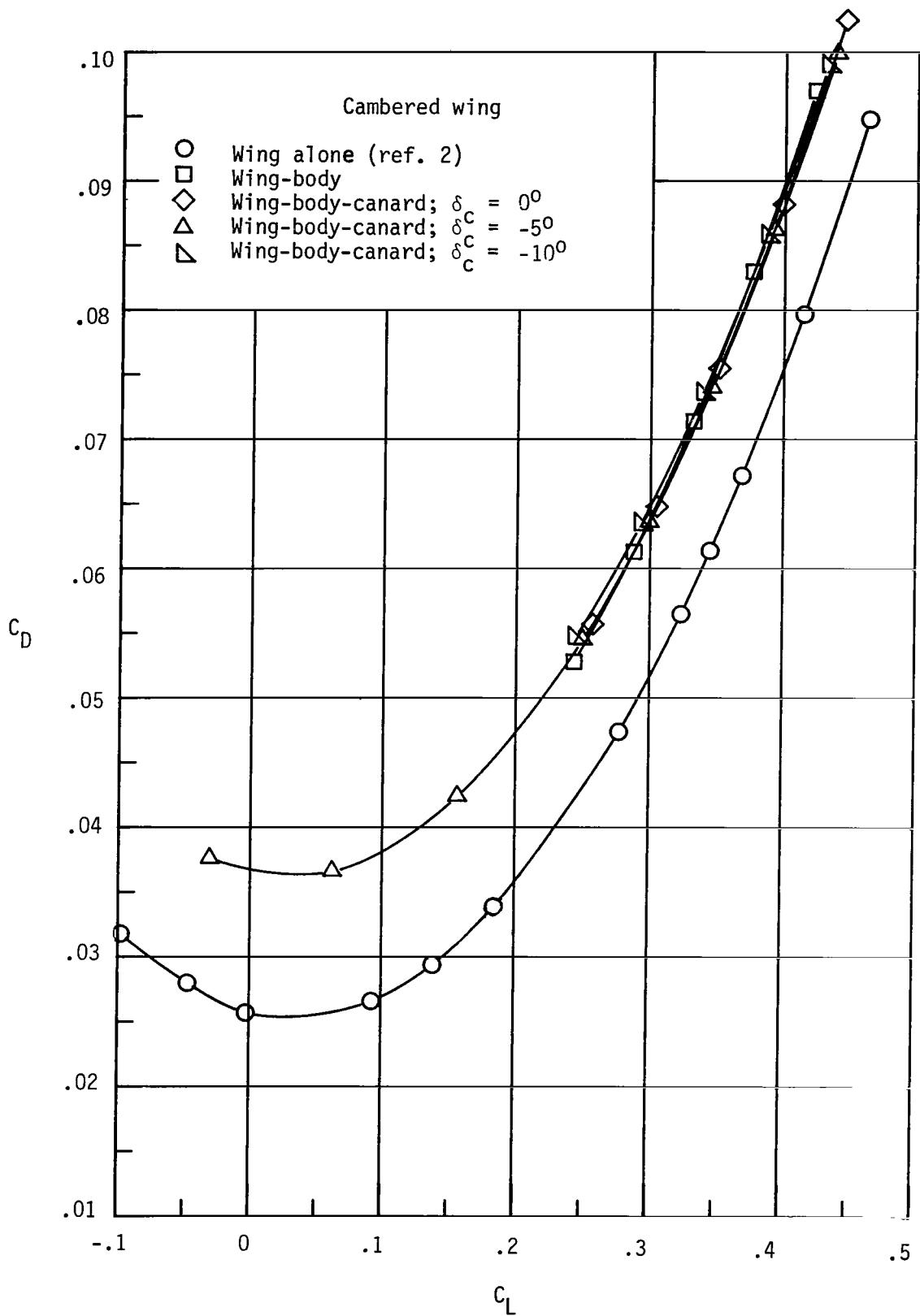
(a) Cambered-wing configurations.

Figure 20.- Effect of canard incidence angle on experimental lift and pitching-moment data at $M = 1.62$.



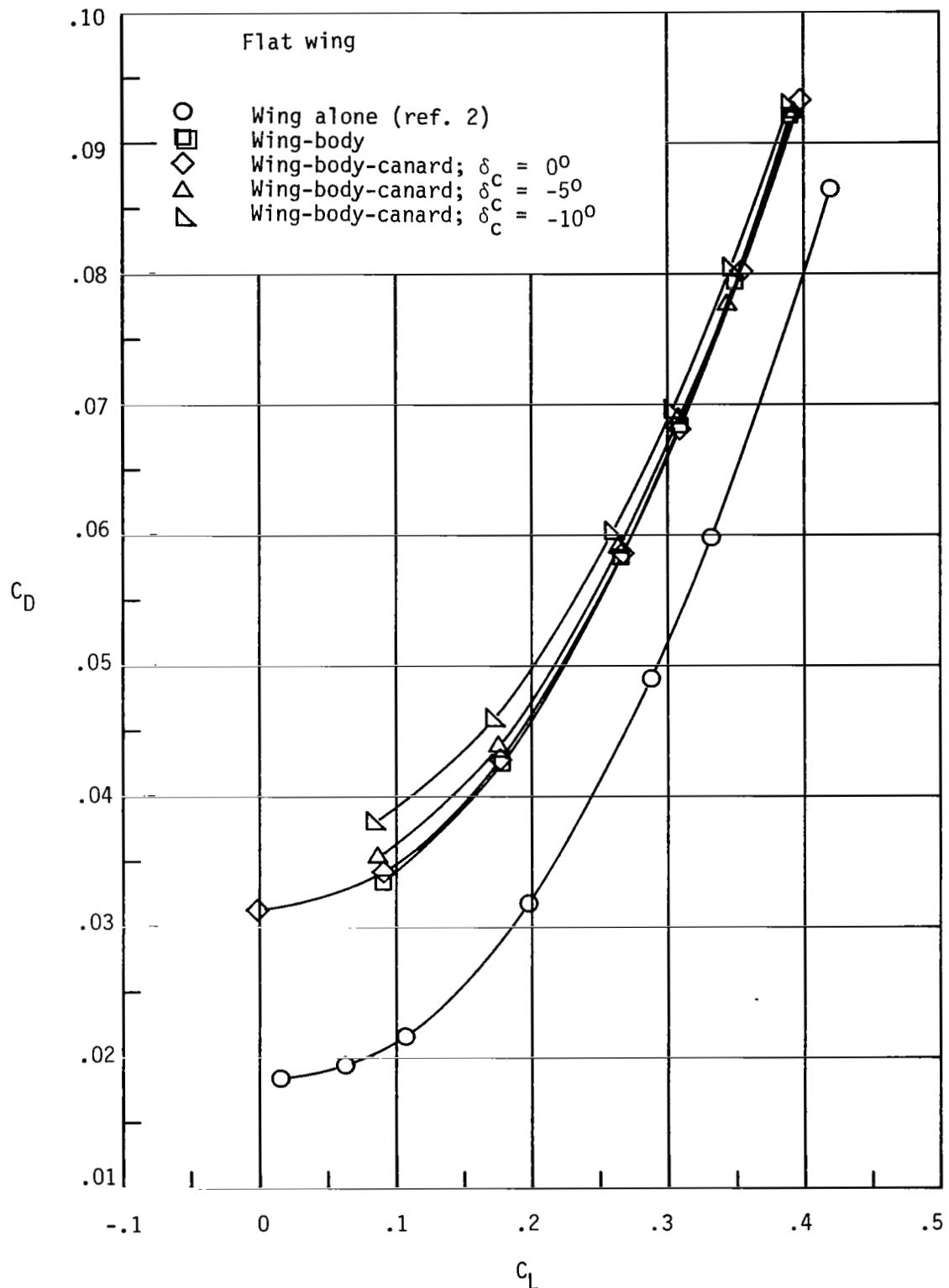
(b) Flat-wing configurations.

Figure 20.- Concluded.



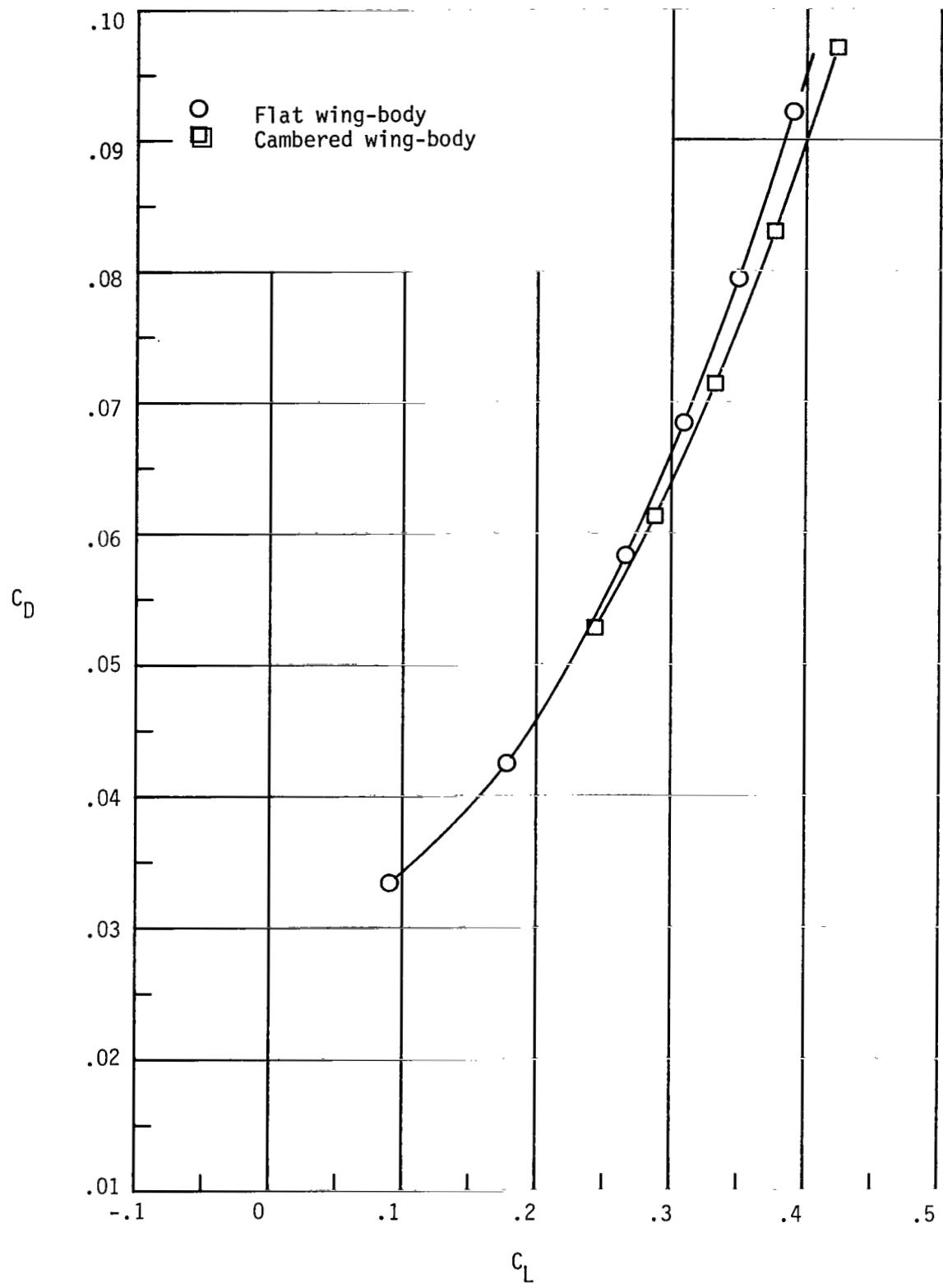
(a) Cambered-wing configurations.

Figure 21.- Summary of experimental drag polars at $M = 1.62$.



(b) Flat-wing configurations.

Figure 21.- Continued.



(c) Comparison of cambered wing-body and flat wing-body models.

Figure 21.- Concluded.

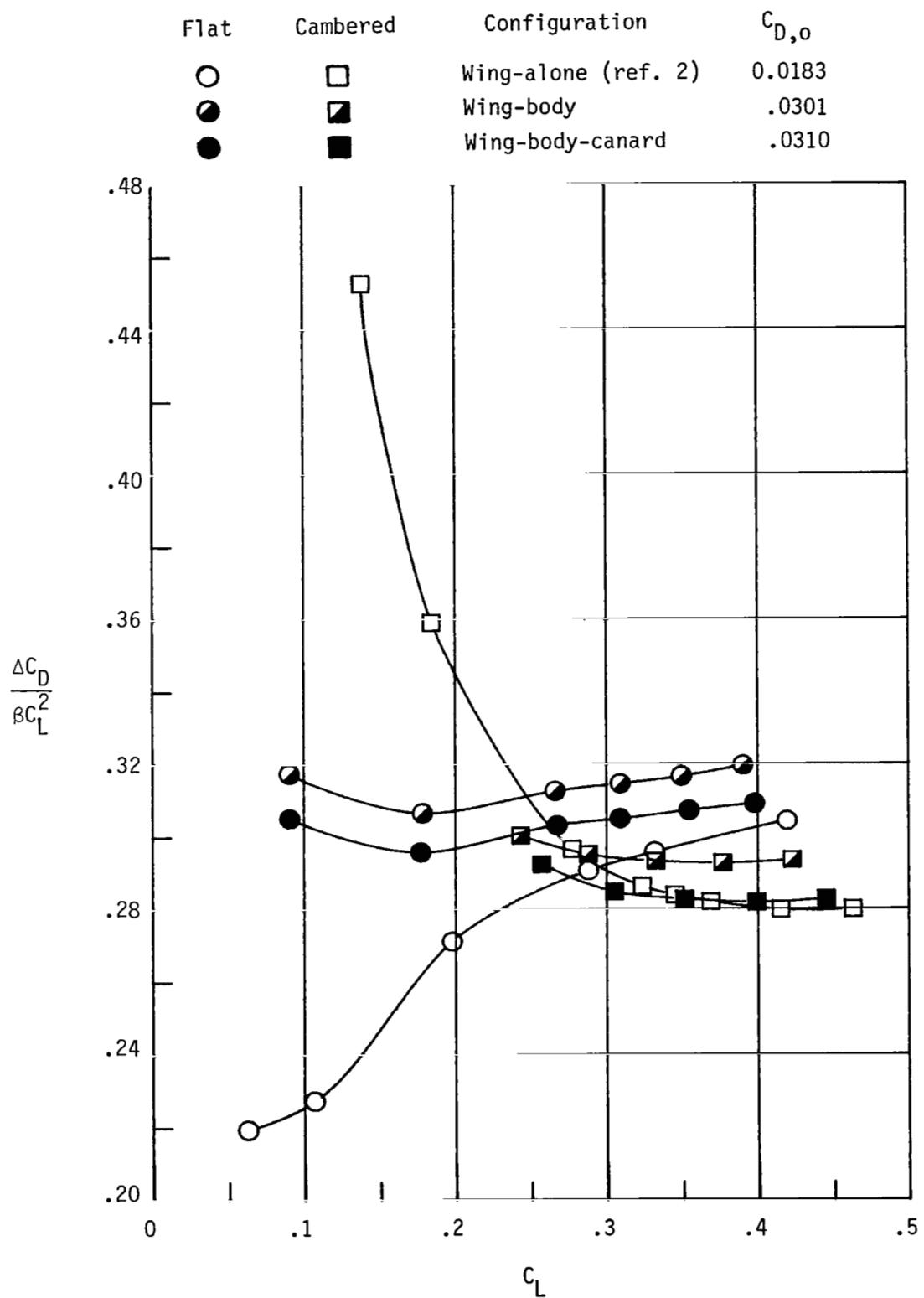
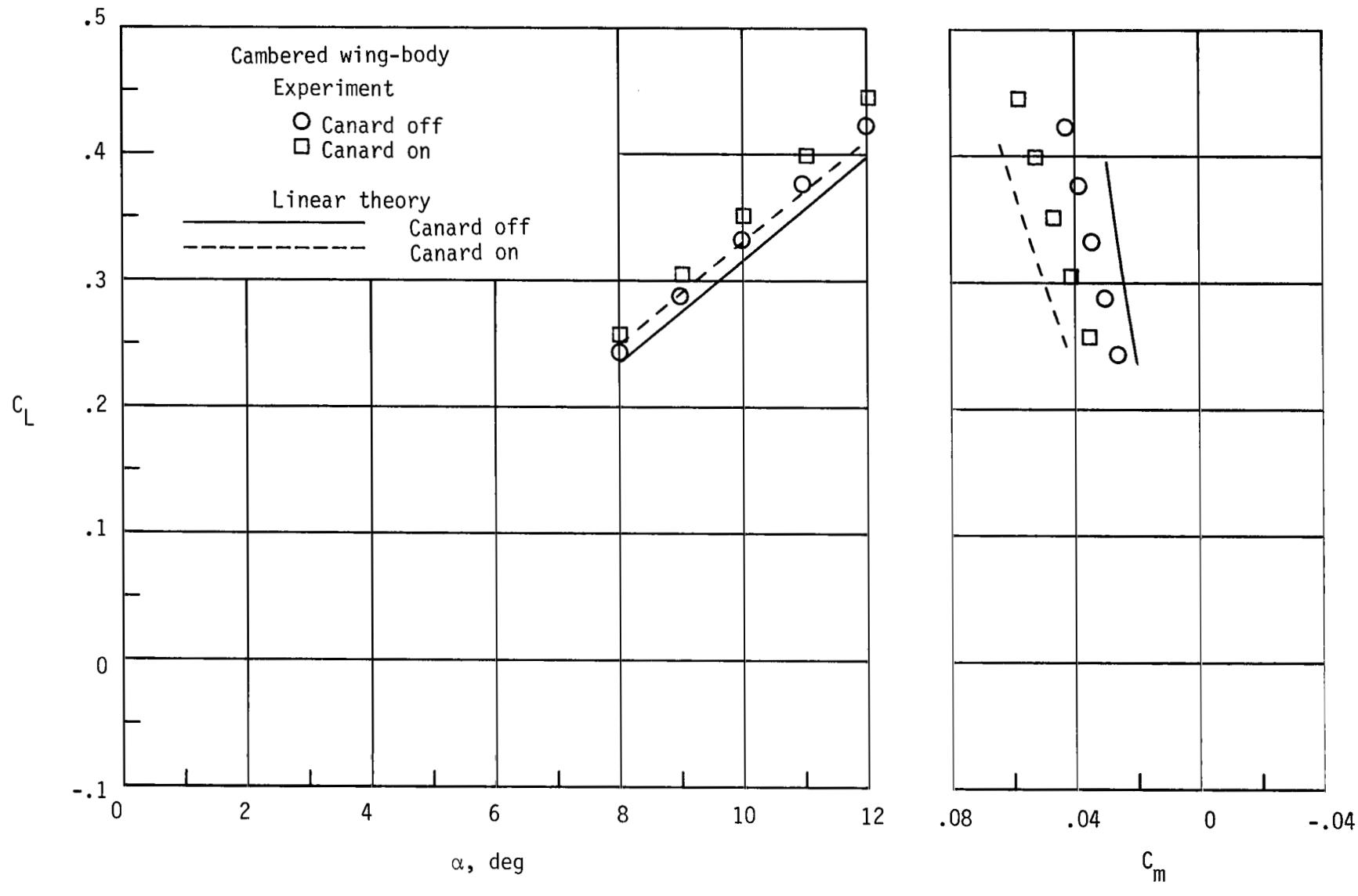
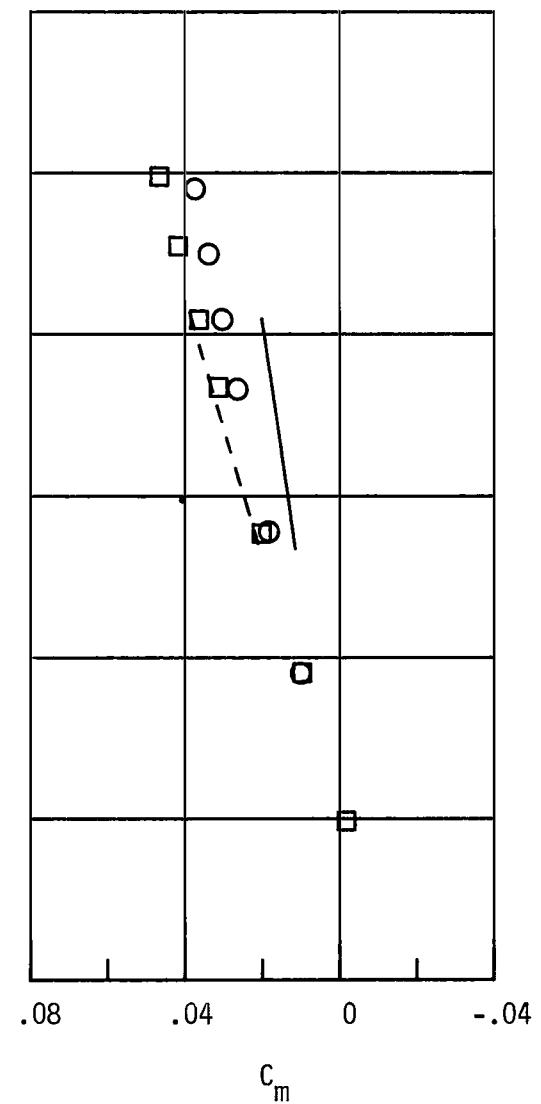
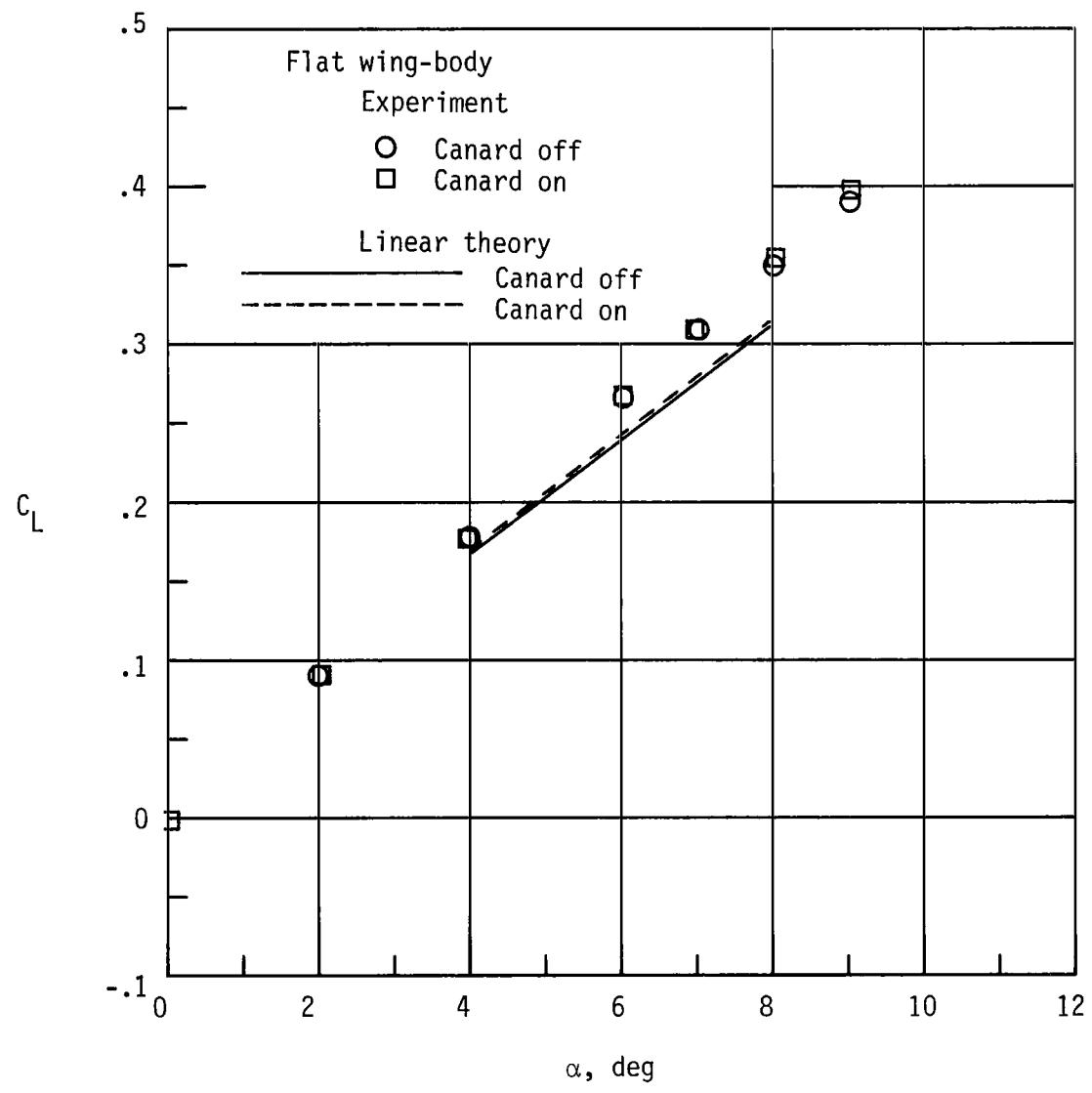


Figure 22.- Assessment of lifting efficiency of cambered-wing and flat-wing configurations.



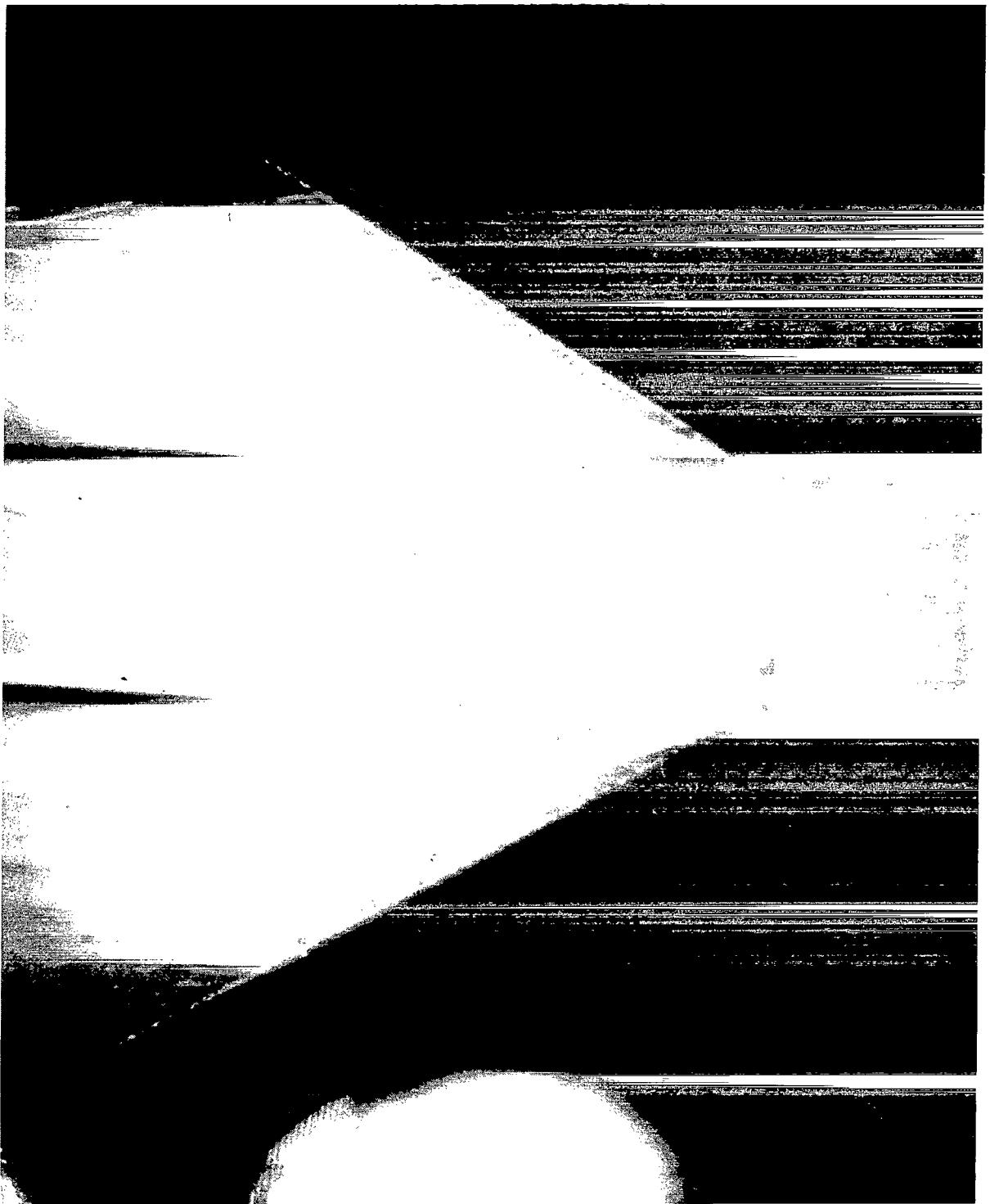
(a) Cambered wing-body model.

Figure 23.- Comparison of data for linear theory and experimental lift and pitching moment for canard on and canard off at $M = 1.62$.



(b) Flat wing-body model.

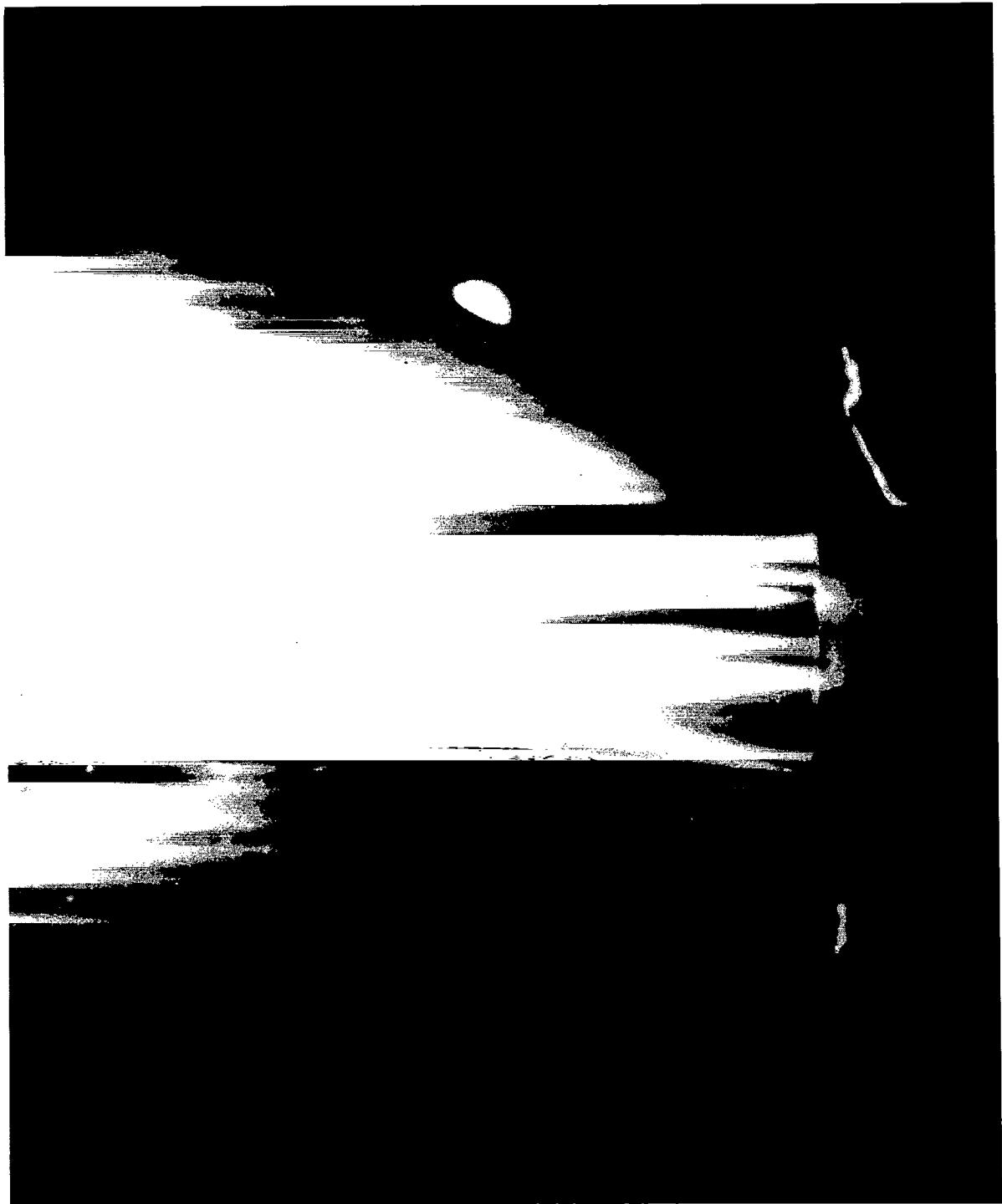
Figure 23.- Concluded.



L-83-150

(a) Cambered wing-body model (nose 1). $\alpha \approx 10^\circ$.

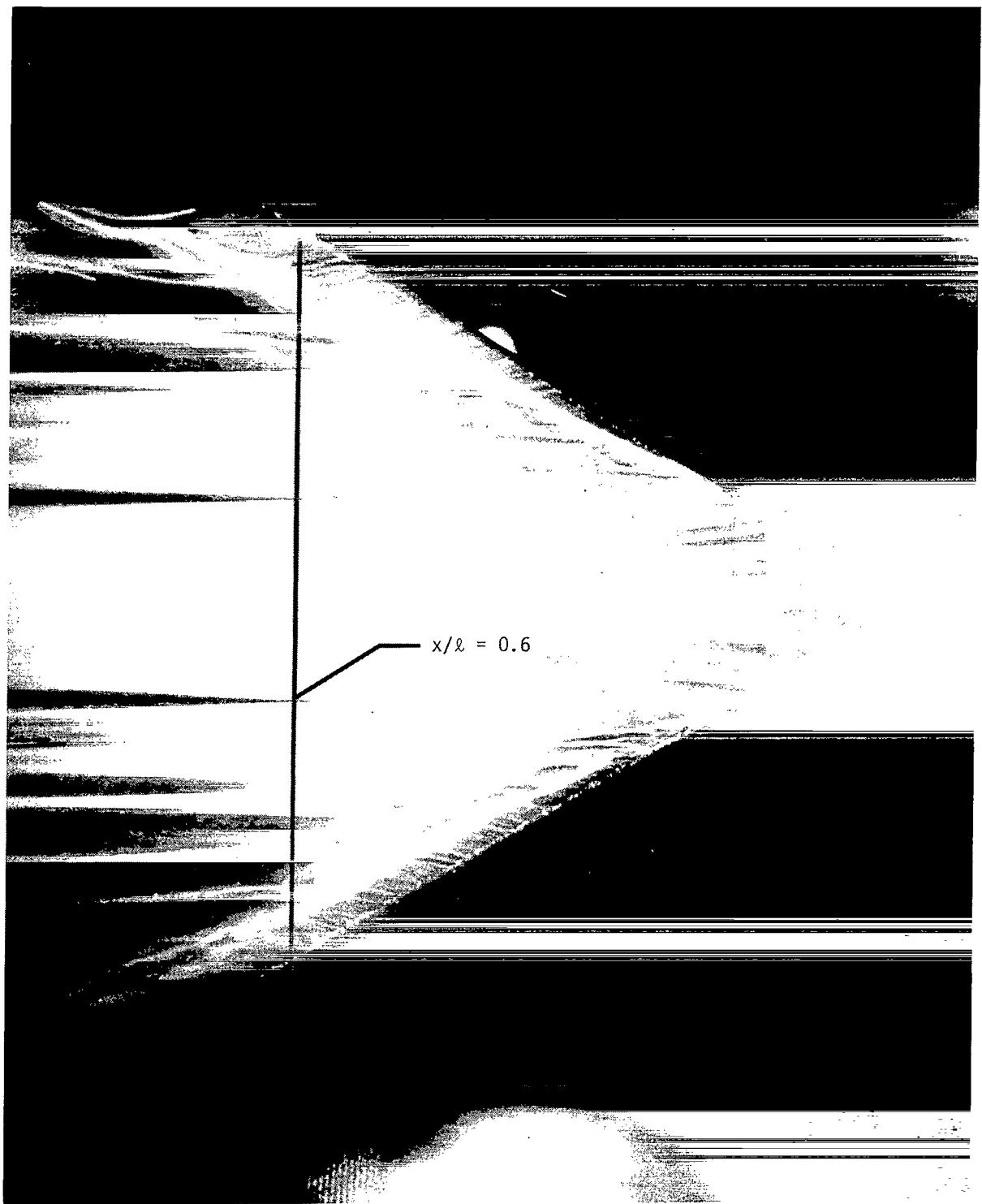
Figure 24.- Photographs of oil flow on upper surface.



L-83-151

(b) Cambered wing-body-canard model (nose 1). $\delta_c = 0^\circ$; $\alpha \approx 10^\circ$.

Figure 24.- Continued.



L-83-152

(c) Flat wing-body model (nose 1). $\alpha \approx 6^\circ$.

Figure 24.- Continued.



L-83-153

(d) Flat wing-body-canard model (nose 1). $\delta_c = 0^\circ$; $\alpha \approx 6^\circ$.

Figure 24.- Concluded.

APPENDIX A

PRESSURE DATA

Pressure data for the configurations tested are given in this appendix. The pressure coefficients for each angle of attack are presented at constant longitudinal stations as a function of the spanwise-location parameter ($\eta = 1.000$ is the leading edge) and also along rays for constant η . Data are presented for the cambered wing in points 15 to 194 and for the flat wing in points 252 to 345. Pressure data were not taken at points 111, 113, and 189 for the cambered wing, or at points 249, 250, 258 to 262, and 280 for the flat wing. Repeat data were taken of several points.

Note that the reference conditions for point 279 were apparently in error, and they have been adjusted to the average values during the particular angle of attack cut. Both the original and adjusted values are contained in this table. The adjusted values were used for plotting.

TABLE AI.- CAMBERED WING-BODY CONFIGURATION

(a) With nose 2

RUN 1	POINT 15	MACH 1.62	ALPHA 8.100	BETA 0.0	Q(PSF) 463.1	H0(PSF) 1103.7	P(PSF) 252.1	RE/FT(X10-6) 2.034	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400		0.1579	16.20	9.7411	1.000	0.3486	
10.80	3.7873	0.540	-0.1606		17.40	6.1018	0.540	-0.1264	0.1592
10.80	4.3484	0.620	-0.1710		17.40	7.0058	0.620	-0.1507	0.1582
10.80	4.7692	0.680	-0.1746		17.40	8.1358	0.720	-0.1367	0.1407
10.80	4.9095	0.700		0.1641	17.40	9.7177	0.860	-0.1328	0.0909
10.80	5.0498	0.720	-0.1691		17.40	11.2997	1.000	0.3633	
10.80	6.0317	0.860	-0.1830		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.1835	0.1224					
10.80	6.8032	0.970	-0.1531		19.80	6.9435	0.540	-0.1278	0.1415
10.80	6.9084	0.985	-0.0553	0.1714	19.80	7.9721	0.620	-0.1454	0.1395
10.80	7.0136	1.000	0.3139		19.80	9.2580	0.720	-0.1411	0.1197
13.20	3.4289	0.400	-0.0983	0.1785					
13.20	3.9432	0.460	-0.1225		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1438	0.1921	0.54	3.7873	10.800	-0.1606	
13.20	4.9719	0.580	-0.1592		0.54	4.6290	13.200	-0.1438	0.1921
13.20	5.3148	0.620	-0.1631	0.1922	0.54	5.2602	15.000	-0.1360	
13.20	5.6576	0.660	-0.1607		0.54	6.1018	17.400	-0.1264	0.1592
13.20	5.8291	0.680	-0.1571		0.54	6.9435	19.800	-0.1278	0.1415
13.20	6.0005	0.700	-0.1553	0.1738					
13.20	6.1720	0.720	-0.1483		0.62	4.3484	10.800	-0.1710	
13.20	6.3434	0.740	-0.1500		0.62	5.3148	13.200	-0.1631	0.1922
13.20	6.6863	0.780	-0.1720	0.1619	0.62	6.0395	15.000	-0.1567	
13.20	7.0292	0.820	-0.1715		0.62	7.0058	17.400	-0.1507	0.1582
13.20	7.3721	0.860	-0.1680	0.1243	0.62	7.9721	19.800	-0.1454	0.1197
13.20	7.7150	0.900	-0.1654	0.1274					
13.20	7.9293	0.925	-0.1529	0.1339	0.72	5.0498	10.800	-0.1691	
13.20	8.1436	0.950	-0.1527	0.1292	0.72	6.1720	13.200	-0.1483	
13.20	8.3150	0.970	-0.1259	0.1579	0.72	7.0136	15.000	-0.1540	
13.20	8.4436	0.985	-0.0576	0.1852	0.72	8.1358	17.400	-0.1367	0.1407
13.20	8.5293	0.995	0.0751	0.3875	0.72	9.2580	19.800	-0.1411	0.1197
13.20	8.5722	1.000	0.3815	0.4201					
15.00	5.2602	0.540	-0.1360		0.86	6.0317	10.800	-0.1830	
15.00	6.0395	0.620	-0.1567		0.86	7.3721	13.200	-0.1680	0.1243
15.00	7.0136	0.720	-0.1540		0.86	8.3774	15.000	-0.1540	
15.00	8.3774	0.860	-0.1540		0.86	9.7177	17.400	-0.1328	0.0909
15.00	9.7411	1.000	0.3253		1.00	7.0136	10.800	0.3139	
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.3815	0.4201
					1.00	9.7411	15.000	0.3253	
					1.00	10.5204	16.200	0.3486	
					1.00	11.2997	17.400	0.3633	
					ETA	Y	X	CP-UP	CP-LOW
BASE PRESSURES									
PORT	CP								
1	-0.3893								
2	-0.3052								
3	-0.2954								
4	-0.2469								

TABLE AI.- Continued

(a) Continued

RUN 1	POINT 16	MACH 1.62	ALPHA 9.000	BETA 0.0	Q(PSF) 458.7	H0(PSF) 1093.4	P(PSF) 249.7	RE/FT(X10-6) 2.015
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400		0.1753	16.20	9.7411	1.000	0.3151
10.80	3.7873	0.540	-0.1832		17.40	6.1018	0.540	-0.1374 0.1708
10.80	4.3484	0.620	-0.1970		17.40	7.0058	0.620	-0.1789 0.1707
10.80	4.7692	0.680	-0.1956		17.40	8.1358	0.720	-0.1821 0.1527
10.80	4.9095	0.700		0.1836	17.40	9.7177	0.860	-0.1682 0.1097
10.80	5.0498	0.720	-0.1975		17.40	11.2997	1.000	0.3327
10.80	6.0317	0.860	-0.2119		X	Y	ETA	CP-UP CP-LOW
10.80	6.4876	0.925	-0.2103	0.1613	19.80	6.9435	0.540	-0.1368 0.1521
10.80	6.8032	0.970	-0.1678		19.80	7.9721	0.620	-0.1748 0.1512
10.80	6.9084	0.985	-0.0887	0.2408	19.80	9.2580	0.720	-0.1823 0.1298
10.80	7.0136	1.000	0.2940		X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.1160	0.1882	ETA	Y	X	CP-UP CP-LOW
13.20	3.9432	0.460	-0.1355		0.54	3.7873	10.800	-0.1832
13.20	4.6290	0.540	-0.1698	0.2002	0.54	4.6290	13.200	-0.1698 0.2002
13.20	4.9719	0.580	-0.1874		0.54	5.2602	15.000	-0.1599
13.20	5.3148	0.620	-0.1923	0.2023	0.54	6.1018	17.400	-0.1374 0.1708
13.20	5.6576	0.660	-0.1892		0.54	6.9435	19.800	-0.1368 0.1521
13.20	5.8291	0.680	-0.1869		X	Y	ETA	CP-UP CP-LOW
13.20	6.0005	0.700	-0.1856	0.1875	0.62	4.3484	10.800	-0.1970
13.20	6.1720	0.720	-0.1937		0.62	5.3148	13.200	-0.1923 0.2023
13.20	6.3434	0.740	-0.2001		0.62	6.0395	15.000	-0.1858
13.20	6.6863	0.780	-0.2136	0.1753	0.62	7.0058	17.400	-0.1789 0.1707
13.20	7.0292	0.820	-0.2048		0.62	7.9721	19.800	-0.1748 0.1298
13.20	7.3721	0.860	-0.1977	0.1447	0.62	X	Y	CP-UP CP-LOW
13.20	7.7150	0.900	-0.1934	0.1537	0.72	5.0498	10.800	-0.1975
13.20	7.9293	0.925	-0.1908	0.1599	0.72	6.1720	13.200	-0.1937
13.20	8.1436	0.950	-0.1747	0.1745	0.72	7.0136	15.000	-0.1977
13.20	8.3150	0.970	-0.1472	0.2009	0.72	8.1358	17.400	-0.1821 0.1527
13.20	8.4436	0.985	-0.1069	0.2400	0.72	9.2580	19.800	-0.1823 0.1298
13.20	8.5293	0.995	0.0308	0.4223	0.72	X	Y	CP-UP CP-LOW
13.20	8.5722	1.000	0.3663	0.4083	0.86	6.0317	10.800	-0.2119
15.00	5.2602	0.540	-0.1599		0.86	7.3721	13.200	-0.1977 0.1447
15.00	6.0395	0.620	-0.1858		0.86	8.3774	15.000	-0.1856
15.00	7.0136	0.720	-0.1977		0.86	9.7177	17.400	-0.1682 0.1097
15.00	8.3774	0.860	-0.1856		1.00	7.0136	10.800	0.2940
15.00	9.7411	1.000	0.2957		1.00	8.5722	13.200	0.3663 0.4083
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.2957
					1.00	10.5204	16.200	0.3151
					1.00	11.2997	17.400	0.3327
BASE PRESSURES								
PORT	CP				ETA	Y	X	CP-UP CP-LOW
1	-0.4072							
2	-0.2946							
3	-0.2993							
4	-0.2499							

TABLE A1.- Continued

(a) Continued

RUN 1	POINT 17	MACH 1.62	ALPHA 10.000	BETA 0.0	Q(PSF) 455.9	H0(PSF) 1086.6	P(PSF) 248.2	RE/FT(X10-6) 2.003
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP
10.80	2.8054	0.400	-0.2075	0.1979	16.20	9.7411	1.000	0.2865
10.80	3.7873	0.540	-0.2254		17.40	6.1018	0.540	-0.1569
10.80	4.3484	0.620	-0.2268		17.40	7.0058	0.620	-0.2133
10.80	4.7692	0.680		0.2093	17.40	8.1358	0.720	-0.2157
10.80	4.9095	0.700			17.40	9.7177	0.860	-0.1975
10.80	5.0498	0.720	-0.2504		17.40	11.2997	1.000	0.3215
10.80	6.0317	0.860	-0.2412		X	Y	ETA	CP-UP
10.80	6.4876	0.925	-0.2348	0.1970				CP-LOW
10.80	6.8032	0.970	-0.1944		19.80	6.9435	0.540	-0.1582
10.80	6.9084	0.985	-0.1451	0.2926	19.80	7.9721	0.620	-0.2124
10.80	7.0136	1.000	0.2567		19.80	9.2580	0.720	-0.2180
13.20	3.4289	0.400	-0.1295	0.2167	X	Y	ETA	CP-UP
13.20	3.9432	0.460	-0.1573					CP-LOW
13.20	4.6290	0.540	-0.1938	0.2264	0.54	3.7873	10.800	-0.2075
13.20	4.9719	0.580	-0.2202		0.54	4.6290	13.200	-0.1938
13.20	5.3148	0.620	-0.2245	0.2272	0.54	5.2602	15.000	-0.1808
13.20	5.6576	0.660	-0.2239		0.54	6.1018	17.400	-0.1569
13.20	5.8291	0.680	-0.2267		0.54	6.9435	19.800	-0.1582
13.20	6.0005	0.700	-0.2339	0.2148	X	Y	ETA	CP-UP
13.20	6.1720	0.720	-0.2438					CP-LOW
13.20	6.3434	0.740	-0.2449		0.62	4.3484	10.800	-0.2254
13.20	6.6863	0.780	-0.2407	0.2042	0.62	5.3148	13.200	-0.2245
13.20	7.0292	0.820	-0.2311		0.62	6.0395	15.000	-0.2157
13.20	7.3721	0.860	-0.2251	0.1879	0.62	7.0058	17.400	-0.2133
13.20	7.7150	0.900	-0.2274	0.1921	0.62	7.9721	19.800	-0.2124
13.20	7.9293	0.925	-0.2193	0.2042	0.72	5.0498	10.800	-0.2504
13.20	8.1436	0.950	-0.1996	0.2206	0.72	6.1720	13.200	-0.2438
13.20	8.3150	0.970	-0.1851	0.2525	0.72	7.0136	15.000	-0.2354
13.20	8.4436	0.985	-0.1487	0.3077	0.72	8.1358	17.400	-0.2157
13.20	8.5293	0.995	-0.0070	0.4500	0.72	9.2580	19.800	-0.2180
13.20	8.5722	1.000	0.3415	0.3991	X	Y	ETA	CP-UP
15.00	5.2602	0.540	-0.1808		0.86	6.0317	10.800	-0.2412
15.00	6.0395	0.620	-0.2157		0.86	7.3721	13.200	-0.2251
15.00	7.0136	0.720	-0.2354		0.86	8.3774	15.000	-0.2133
15.00	8.3774	0.860	-0.2133		0.86	9.7177	17.400	-0.1975
15.00	9.7411	1.000	0.2679		1.00	7.0136	10.800	0.2567
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.3415
					1.00	9.7411	15.000	0.2679
					1.00	10.5204	16.200	0.2865
					1.00	11.2997	17.400	0.3215
BASE PRESSURES					X	Y	ETA	CP-UP
PORT	CP							CP-LOW
1	-0.4123							
2	-0.3026							
3	-0.3079							
4	-0.2530							

TABLE AI.- Continued

(a) Continued

RUN 2	POINT 36	MACH 1.62	ALPHA 8.020	BETA 0.0	Q(PSF) 453.7	H0(PSF) 1081.4	P(PSF) 247.0	RE/FT(X10-6) 1.993	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1605	0.1500	16.20	9.7411	1.000	0.3458	
10.80	3.7873	0.540	-0.1728		17.40	6.1018	0.540	-0.1265	0.1525
10.80	4.3484	0.620	-0.1739		17.40	7.0058	0.620	-0.1453	0.1479
10.80	4.7692	0.680		0.1571	17.40	8.1358	0.720	-0.1359	0.1300
10.80	4.9095	0.700	-0.1662		17.40	9.7177	0.860	-0.1294	0.0834
10.80	5.0498	0.720	-0.1805		17.40	11.2997	1.000	0.3639	
10.80	6.0317	0.860			X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.1721	0.1089					
10.80	6.8032	0.970	-0.1491		19.80	6.9435	0.540	-0.1204	0.1360
10.80	6.9084	0.985	-0.0492	0.1533	19.80	7.9721	0.620	-0.1416	0.1338
10.80	7.0136	1.000	0.3144		19.80	9.2580	0.720	-0.1386	0.1118
13.20	3.4289	0.400	-0.1002	0.1691	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1171						
13.20	4.6290	0.540	-0.1479	0.1805	ETA	Y	X	CP-UP	CP-LOW
13.20	4.9719	0.580	-0.1621		0.54	3.7873	10.800	-0.1605	
13.20	5.3148	0.620	-0.1764	0.1819	0.54	4.6290	13.200	-0.1479	0.1805
13.20	5.6576	0.660	-0.1730		0.54	5.2602	15.000	-0.1359	
13.20	5.8291	0.680	-0.1549		0.54	6.1018	17.400	-0.1265	0.1525
13.20	6.0005	0.700	-0.1556	0.1646	0.54	6.9435	19.800	-0.1204	0.1360
13.20	6.1720	0.720	-0.1361		0.62	4.3484	10.800	-0.1728	
13.20	6.3434	0.740	-0.1494		0.62	5.3148	13.200	-0.1764	0.1819
13.20	6.6863	0.780	-0.1560	0.1505	0.62	6.0395	15.000	-0.1541	
13.20	7.0292	0.820	-0.1742		0.62	7.0058	17.400	-0.1453	0.1479
13.20	7.3721	0.860	-0.1658	0.1183	0.62	7.9721	19.800	-0.1416	0.1118
13.20	7.7150	0.900	-0.1606	0.1211					
13.20	7.9293	0.925	-0.1560	0.1160	0.72	5.0498	10.800	-0.1662	
13.20	8.1436	0.950	-0.1521	0.1229	0.72	6.1720	13.200	-0.1361	
13.20	8.3150	0.970	-0.1320	0.1386	0.72	7.0136	15.000	-0.1488	
13.20	8.4436	0.985	-0.0480	0.1711	0.72	8.1358	17.400	-0.1359	0.1300
13.20	8.5293	0.995	0.0707	0.3751	0.72	9.2580	19.800	-0.1386	0.1118
13.20	8.5722	1.000	0.3816	0.4135	0.86	6.0317	10.800	-0.1805	
15.00	5.2602	0.540	-0.1359		0.86	7.3721	13.200	-0.1658	0.1183
15.00	6.0395	0.620	-0.1541		0.86	8.3774	15.000	-0.1545	
15.00	7.0136	0.720	-0.1488		0.86	9.7177	17.400	-0.1294	0.0834
15.00	8.3774	0.860	-0.1545		1.00	7.0136	10.800	0.3144	
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.3816	0.4135
					1.00	9.7411	15.000	0.3223	
					1.00	10.5204	16.200	0.3458	
					1.00	11.2997	17.400	0.3639	
BASE PRESSURES									
PORT	CP				ETA	Y	X	CP-UP	CP-LOW
1	-0.3814								
2	-0.3127								
3	-0.2972								
4	-0.2469								

TABLE AI.- Continued

(a) Continued

RUN 2	POINT 37	MACH 1.62	ALPHA 8.020	BETA 0.0	Q(PSF) 453.7	H0(PSF) 1081.4	P(PSF) 247.0	RE/FT(X10-6) 1.993	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400		0.1492	16.20	9.7411	1.000	0.3449	
10.80	3.7873	0.540	-0.1609		17.40	6.1018	0.540	-0.1277	0.1522
10.80	4.3484	0.620	-0.1762		17.40	7.0058	0.620	-0.1546	0.1498
10.80	4.7692	0.680	-0.1726		17.40	8.1358	0.720	-0.1399	0.1318
10.80	4.9095	0.700		0.1587	17.40	9.7177	0.860	-0.1297	0.0817
10.80	5.0498	0.720	-0.1659		17.40	11.2997	1.000	0.3595	
10.80	6.0317	0.860	-0.1790						
10.80	6.4876	0.925	-0.1720	0.1076					
10.80	6.8032	0.970	-0.1516		19.80	6.9435	0.540	-0.1337	0.1354
10.80	6.9084	0.985	-0.0635	0.1555	19.80	7.9721	0.620	-0.1443	0.1343
10.80	7.0136	1.000	0.3182		19.80	9.2580	0.720	-0.1408	0.1112
					X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1008	0.1680					
13.20	3.9432	0.460	-0.1256		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1448	0.1828	0.54	3.7873	10.800	-0.1609	
13.20	4.9719	0.580	-0.1585		0.54	4.6290	13.200	-0.1448	0.1828
13.20	5.3148	0.620	-0.1596	0.1795	0.54	5.2602	15.000	-0.1368	
13.20	5.6576	0.660	-0.1581		0.54	6.1018	17.400	-0.1277	0.1522
13.20	5.8291	0.680	-0.1576		0.54	6.9435	19.800	-0.1337	0.1354
13.20	6.0005	0.700	-0.1564	0.1650					
13.20	6.1720	0.720	-0.1606		0.62	4.3484	10.800	-0.1762	
13.20	6.3434	0.740	-0.1699		0.62	5.3148	13.200	-0.1596	0.1795
13.20	6.6863	0.780	-0.1608	0.1500	0.62	6.0395	15.000	-0.1570	
13.20	7.0292	0.820	-0.1708		0.62	7.0058	17.400	-0.1546	0.1498
13.20	7.3721	0.860	-0.1662	0.1164	0.62	7.9721	19.800	-0.1443	0.1112
13.20	7.7150	0.900	-0.1558	0.1177					
13.20	7.9293	0.925	-0.1534	0.1198	0.72	5.0498	10.800	-0.1659	
13.20	8.1436	0.950	-0.1454	0.1260	0.72	6.1720	13.200	-0.1606	
13.20	8.3150	0.970	-0.1239	0.1386	0.72	7.0136	15.000	-0.1482	
13.20	8.4436	0.985	-0.0521	0.1708	0.72	8.1358	17.400	-0.1399	0.1318
13.20	8.5293	0.995	0.0754	0.3757	0.72	9.2580	19.800	-0.1408	0.1112
13.20	8.5722	1.000	0.3821	0.4112					
	X	Y	ETA	CP-UP	CP-LOW				
BASE PRESSURES									
PORt	CP				1.00	7.0136	10.800	0.3182	
1	-0.3837				0.86	7.3721	13.200	-0.1662	0.1164
2	-0.3106				0.86	8.3774	15.000	-0.1482	
3	-0.2972				0.86	9.7177	17.400	-0.1297	0.0817
4	-0.2474								

TABLE AI.- Continued

(a) Continued

RUN 2	POINT 38	MACH 1.62	ALPHA 9.000	BETA 0.0	Q(PSF) 453.2	H0(PSF) 1080.1	P(PSF) 246.7	RE/FT(X10-6) 1.991
10.80	X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA
10.80	2.8054	0.400	-0.1833	0.1719	16.20	9.7411	1.000	0.3207
10.80	3.7873	0.540	-0.1987		17.40	6.1018	0.540	-0.1435
10.80	4.3484	0.620	-0.1972		17.40	7.0058	0.620	-0.1788
10.80	4.7692	0.680	-0.1808	0.1808	17.40	8.1358	0.720	-0.1811
10.80	4.9095	0.700	-0.1871		17.40	9.7177	0.860	-0.1632
10.80	5.0498	0.720	-0.2120		17.40	11.2997	1.000	0.3385
10.80	6.0317	0.860	-0.2104	0.1533				
10.80	6.4876	0.925	-0.1882		19.80	6.9435	0.540	-0.1427
10.80	6.8032	0.970	-0.1682		19.80	7.9721	0.620	-0.1782
10.80	6.9084	0.985	-0.0851	0.2176	19.80	9.2580	0.720	-0.1781
10.80	7.0136	1.000	0.2934		X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.1142	0.1919				
13.20	3.9432	0.460	-0.1389		ETA	Y	X	CP-UP CP-LOW
13.20	4.6290	0.540	-0.1688	0.2055	0.54	3.7873	10.800	-0.1833
13.20	4.9719	0.580	-0.1852		0.54	4.6290	13.200	-0.1688
13.20	5.3148	0.620	-0.1971	0.2062	0.54	5.2602	15.000	0.2055
13.20	5.6576	0.660	-0.1826		0.54	6.1018	17.400	-0.1435
13.20	5.8291	0.680	-0.1981		0.54	6.9435	19.800	0.1778
13.20	6.0005	0.700	-0.1856	0.1874				
13.20	6.1720	0.720	-0.1870		0.62	4.3484	10.800	-0.1987
13.20	6.3434	0.740	-0.1925		0.62	5.3148	13.200	-0.1971
13.20	6.6863	0.780	-0.2049	0.1763	0.62	6.0395	15.000	0.2062
13.20	7.0292	0.820	-0.1983		0.62	7.0058	17.400	-0.1856
13.20	7.3721	0.860	-0.1989	0.1500	0.62	7.9721	19.800	-0.1788
13.20	7.7150	0.900	-0.1902	0.1558				
13.20	7.9293	0.925	-0.1870	0.1592	0.72	5.0498	10.800	-0.1811
13.20	8.1436	0.950	-0.1804	0.1774	0.72	6.1720	13.200	0.1553
13.20	8.3150	0.970	-0.1481	0.1965	0.72	7.0136	15.000	-0.1938
13.20	8.4436	0.985	-0.0982	0.2456	0.72	8.1358	17.400	-0.1863
13.20	8.5293	0.995	0.0388	0.4157	0.72	9.2580	19.800	-0.1781
13.20	8.5722	1.000	0.3685	0.4082				
15.00	X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800
15.00	5.2602	0.540	-0.1580			0.86	7.3721	13.200
15.00	6.0395	0.620	-0.1856			0.86	8.3774	15.000
15.00	7.0136	0.720	-0.1938			0.86	9.7177	17.400
15.00	8.3774	0.860	-0.1863			1.00	7.0136	10.800
15.00	9.7411	1.000	0.3010			1.00	8.5722	13.200
						1.00	9.7411	15.000
						1.00	10.5204	16.200
						1.00	11.2997	17.400
						ETA	Y	X
								CP-UP CP-LOW
BASE PRESSURES								
PORT CP								
1	-0.4059							
2	-0.2924							
3	-0.3007							
4	-0.2485							

TABLE AI.- Continued

(a) Continued

RUN 2	POINT 39	MACH 1.62	ALPHA 10.020	BETA- 0.0	Q(PSF) 453.3	H0(PSF) 1080.3	P(PSF) 246.7	RE/FT(X10-6) 1.991		
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW	
10.80	2.8054	0.400	-0.2075	0.1962	16.20	9.7411	1.000	0.3014		
10.80	3.7873	0.540	-0.2316		17.40	6.1018	0.540	-0.1631	0.2002	
10.80	4.3484	0.620	-0.2268		17.40	7.0058	0.620	-0.2122	0.1972	
10.80	4.7692	0.680	-0.2071		17.40	8.1358	0.720	-0.2079	0.1809	
10.80	4.9095	0.700	-0.2416		17.40	9.7177	0.860	-0.1930	0.1475	
10.80	5.0498	0.720	-0.2396		17.40	11.2997	1.000	0.3268		
10.80	6.0317	0.860	-0.2321	0.1921	X	Y	ETA	CP-UP	CP-LOW	
10.80	6.4876	0.925	-0.2321		19.80	6.9435	0.540	-0.1613	0.1834	
10.80	6.8032	0.970	-0.1911		19.80	7.9721	0.620	-0.2193	0.1799	
10.80	6.9084	0.985	-0.1460	0.2863	19.80	9.2580	0.720	-0.2159	0.1585	
10.80	7.0136	1.000	0.2686		X	Y	ETA	CP-UP	CP-LOW	
13.20	3.4289	0.400	-0.1273	0.2175	ETA	Y	X	CP-UP	CP-LOW	
13.20	3.9432	0.460	-0.1544		0.54	3.7873	10.800	-0.2075		
13.20	4.6290	0.540	-0.1944	0.2266	0.54	4.6290	13.200	-0.1944	0.2266	
13.20	4.9719	0.580	-0.2216		0.54	5.2602	15.000	-0.1776		
13.20	5.3148	0.620	-0.2204	0.2248	0.54	6.1018	17.400	-0.1631	0.2002	
13.20	5.6576	0.660	-0.2282		0.54	6.9435	19.800	-0.1613	0.1834	
13.20	5.8291	0.680	-0.2272		0.2157	0.62	4.3484	10.800	-0.2316	
13.20	6.0005	0.700	-0.2352			0.62	5.3148	13.200	-0.2204	
13.20	6.1720	0.720	-0.2351			0.62	6.0395	15.000	-0.2144	
13.20	6.3434	0.740	-0.2257			0.62	7.0058	17.400	-0.2122	
13.20	6.6863	0.780	-0.2344	0.2053		0.62	7.9721	19.800	-0.2193	
13.20	7.0292	0.820	-0.2275			0.1836	0.62	0.2159	0.1585	
13.20	7.3721	0.860	-0.2245			0.62	4.6290	10.800	-0.2416	
13.20	7.7150	0.900	-0.2248	0.1926		0.62	6.1720	13.200	-0.2351	
13.20	7.9293	0.925	-0.2121	0.2008		0.72	7.0136	15.000	-0.2306	
13.20	8.1436	0.950	-0.1957	0.2224		0.72	8.1358	17.400	-0.2079	
13.20	8.3150	0.970	-0.1857	0.2520		0.72	9.2580	19.800	-0.2159	
13.20	8.4436	0.985	-0.1429	0.3062		0.72	6.0317	10.800	-0.2396	
13.20	8.5293	0.995	-0.0059	0.4523		0.72	7.3721	13.200	-0.2245	
13.20	8.5722	1.000	0.3512	0.3968		0.86	8.3774	15.000	0.1836	
15.00	5.2602	0.540	-0.1776			0.86	9.7177	17.400	-0.2119	
15.00	6.0395	0.620	-0.2144			0.86	10.5204	16.200	-0.1930	
15.00	7.0136	0.720	-0.2306			0.86	11.2997	17.400	0.1475	
15.00	8.3774	0.860	-0.2119			1.00	7.0136	10.800	0.2686	
15.00	9.7411	1.000	0.2787			1.00	8.5722	13.200	0.3512	
X	Y	ETA	CP-UP	CP-LOW		1.00	9.7411	15.000	0.3968	
						1.00	10.5204	16.200	0.3014	
						1.00	11.2997	17.400	0.3268	
						ETA	Y	X	CP-UP	CP-LOW
BASE PRESSURES										
PORt	CP									
1	-0.4114									
2	-0.3186									
3	-0.3088									
4	-0.2513									

TABLE AI.- Continued

(a) Continued

RUN 2	POINT 40	MACH 1.62	ALPHA 11.010	BETA 0.0	Q(PSF) 454.3	H0(PSF) 1082.8	P(PSF) 247.3	RE/FT(X10-6) 1.996	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.2380	0.2184	16.20	9.7411	1.000	0.2674	
10.80	3.7873	0.540	-0.2878		17.40	6.1018	0.540	-0.1832	0.2262
10.80	4.3484	0.620	-0.2878		17.40	7.0058	0.620	-0.2697	0.2229
10.80	4.7692	0.680	-0.2706		17.40	8.1358	0.720	-0.2342	0.2106
10.80	4.9095	0.700		0.2324	17.40	9.7177	0.860	-0.2172	0.1812
10.80	5.0498	0.720	-0.2881		17.40	11.2997	1.000	0.2978	
10.80	6.0317	0.860	-0.2666		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.2623	0.2314	19.80	6.9435	0.540	-0.1829	0.2092
10.80	6.8032	0.970	-0.2241		19.80	7.9721	0.620	-0.2766	0.2066
10.80	6.9084	0.985	-0.1892	0.3377	19.80	9.2580	0.720	-0.2409	0.1863
10.80	7.0136	1.000	0.2222		X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1446	0.2407	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1756		0.54	3.7873	10.800	-0.2380	
13.20	4.6290	0.540	-0.2309	0.2517	0.54	4.6290	13.200	-0.2309	0.2517
13.20	4.9719	0.580	-0.2511		0.54	5.2602	15.000	-0.2110	
13.20	5.3148	0.620	-0.2539	0.2522	0.54	6.1018	17.400	-0.1832	0.2262
13.20	5.6576	0.660	-0.2747		0.54	6.9435	19.800	-0.1829	0.2092
13.20	5.8291	0.680	-0.2746		0.62	4.3484	10.800	-0.2878	
13.20	6.0005	0.700	-0.2679	0.2434	0.62	5.3148	13.200	-0.2539	0.2522
13.20	6.1720	0.720	-0.2648		0.62	6.0395	15.000	-0.2665	
13.20	6.3434	0.740	-0.2660		0.62	7.0058	17.400	-0.2697	0.2229
13.20	6.6863	0.780	-0.2598	0.2303	0.62	7.9721	19.800	-0.2766	0.1863
13.20	7.0292	0.820	-0.2526		0.62				
13.20	7.3721	0.860	-0.2550	0.2179	0.62				
13.20	7.7150	0.900	-0.2476	0.2306	0.62				
13.20	7.9293	0.925	-0.2405	0.2418	0.72	5.0498	10.800	-0.2881	
13.20	8.1436	0.950	-0.2325	0.2731	0.72	6.1720	13.200	-0.2648	
13.20	8.3150	0.970	-0.2281	0.2923	0.72	7.0136	15.000	-0.2578	
13.20	8.4436	0.985	-0.1886	0.3551	0.72	8.1358	17.400	-0.2342	0.2106
13.20	8.5293	0.995	-0.0466	0.4795	0.72	9.2580	19.800	-0.2409	0.1863
13.20	8.5722	1.000	0.3130	0.3840	0.86	6.0317	10.800	-0.2666	
X	Y	ETA	CP-UP	CP-LOW	1.00	7.0136	10.800	0.2222	
					1.00	8.5722	13.200	0.3130	0.3840
					1.00	9.7411	15.000	0.2348	
					1.00	10.5204	16.200	0.2674	
					1.00	11.2997	17.400	0.2978	
					ETA	Y	X	CP-UP	CP-LOW
BASE PRESSURES									
PORT CP									
1	-0.4081								
2	-0.3084								
3	-0.3263								
4	-0.2530								

TABLE AI.- Continued

(a) Concluded

RUN 2	POINT 41	MACH 1.62	ALPHA 11.980	BETA 0.0	Q(PSF) 454.0	H(PSF) 1082.2	P(PSF) 247.2	RE/FT(X10-6) 1.995
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.2607	0.2443	16.20	9.7411	1.000	0.2479
10.80	3.7873	0.540	-0.3069		17.40	6.1018	0.540	-0.2130 0.2481
10.80	4.3484	0.620	-0.3140		17.40	7.0058	0.620	-0.2981 0.2444
10.80	4.7692	0.680		0.2595	17.40	8.1358	0.720	-0.2582 0.2343
10.80	4.9095	0.700			17.40	9.7177	0.860	-0.2419 0.2091
10.80	5.0498	0.720	-0.3103		17.40	11.2997	1.000	0.2852
10.80	6.0317	0.860	-0.2924		X	Y	ETA	CP-UP CP-LOW
10.80	6.4876	0.925	-0.2845	0.2678				
10.80	6.8032	0.970	-0.2551		19.80	6.9435	0.540	-0.2203 0.2306
10.80	6.9084	0.985	-0.2207	0.3829	19.80	7.9721	0.620	-0.2987 0.2292
10.80	7.0136	1.000	0.1879		19.80	9.2580	0.720	-0.2620 0.2080
					X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.1567	0.2662				
13.20	3.9432	0.460	-0.1900		ETA	Y	X	CP-UP CP-LOW
13.20	4.6290	0.540	-0.2628	0.2707	0.54	3.7873	10.800	-0.2607
13.20	4.9719	0.580	-0.2950		0.54	4.6290	13.200	-0.2628 0.2707
13.20	5.3148	0.620	-0.2953	0.2742	0.54	5.2602	15.000	-0.2448
13.20	5.6576	0.660	-0.3126		0.54	6.1018	17.400	-0.2130 0.2481
13.20	5.8291	0.680	-0.2998		0.54	6.9435	19.800	-0.2203 0.2306
13.20	6.0005	0.700	-0.2952	0.2630				
13.20	6.1720	0.720	-0.2870		0.62	4.3484	10.800	-0.3069
13.20	6.3434	0.740	-0.2766		0.62	5.3148	13.200	-0.2953 0.2742
13.20	6.6863	0.780	-0.2768	0.2605	0.62	6.0395	15.000	-0.3078
13.20	7.0292	0.820	-0.2787		0.62	7.0058	17.400	-0.2981 0.2444
13.20	7.3721	0.860	-0.2761	0.2461	0.62	7.9721	19.800	-0.2987 0.2080
13.20	7.7150	0.900	-0.2730	0.2646				
13.20	7.9293	0.925	-0.2635	0.2808	0.72	5.0498	10.800	-0.3103
13.20	8.1436	0.950	-0.2617	0.3130	0.72	6.1720	13.200	-0.2870
13.20	8.3150	0.970	-0.2560	0.3398	0.72	7.0136	15.000	-0.2807
13.20	8.4436	0.985	-0.2187	0.4024	0.72	8.1358	17.400	-0.2582 0.2343
13.20	8.5293	0.995	-0.0878	0.4979	0.72	9.2580	19.800	-0.2620 0.2080
13.20	8.5722	1.000	0.2968	0.3670				
					0.86	6.0317	10.800	-0.2924
15.00	5.2602	0.540	-0.2448		0.86	7.3721	13.200	-0.2761 0.2461
15.00	6.0395	0.620	-0.3078		0.86	8.3774	15.000	-0.2612
15.00	7.0136	0.720	-0.2807		0.86	9.7177	17.400	-0.2419 0.2091
15.00	8.3774	0.860	-0.2612					
15.00	9.7411	1.000	0.2152		1.00	7.0136	10.800	0.1879
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2968 0.3670
					1.00	9.7411	15.000	0.2152
					1.00	10.5204	16.200	0.2479
					1.00	11.2997	17.400	0.2852
					X	Y	ETA	CP-UP CP-LOW
BASE PRESSURES								
PORT	CP							
1	-0.4047							
2	-0.3401							
3	-0.3402							
4	-0.2546							

TABLE AI.- Continued

(b) With nose 1

RUN 3	POINT 61	MACH 1.62	ALPHA 8.030	BETA 0.0	Q(PSF) 455.4	H0(PSF) 1085.3	P(PSF) 247.9	RE/FT(X10-6) 2.000
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.1663	0.1459	16.20	9.7411	1.000	0.3466
10.80	3.7873	0.540	-0.1652		17.40	6.1018	0.540	-0.1396 0.1499
10.80	4.3484	0.620	-0.1747		17.40	7.0058	0.620	-0.1577 0.1450
10.80	4.7692	0.680		0.1553	17.40	8.1358	0.720	-0.1368 0.1269
10.80	4.9095	0.700	-0.1646		17.40	9.7177	0.860	-0.1223 0.0777
10.80	5.0498	0.720	-0.1802		17.40	11.2997	1.000	0.3646
10.80	6.0317	0.860	-0.1694	0.0972				
10.80	6.4876	0.925	-0.1610		19.80	6.9435	0.540	-0.1315 0.1357
10.80	6.8032	0.970	-0.0411	0.1497	19.80	7.9721	0.620	-0.1559 0.1344
10.80	6.9084	0.985			19.80	9.2580	0.720	-0.1407 0.1072
10.80	7.0136	1.000	0.3276					
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.1119	0.1648				
13.20	3.9432	0.460	-0.1307		ETA	Y	X	CP-UP CP-LOW
13.20	4.6290	0.540	-0.1547	0.1781	0.54	3.7873	10.800	-0.1663
13.20	4.9719	0.580	-0.1657		0.54	4.6290	13.200	-0.1547 0.1781
13.20	5.3148	0.620	-0.1674	0.1790	0.54	5.2602	15.000	-0.1479
13.20	5.6576	0.660	-0.1628		0.54	6.1018	17.400	-0.1396 0.1499
13.20	5.8291	0.680	-0.1617		0.54	6.9435	19.800	-0.1315 0.1357
13.20	6.0005	0.700	-0.1504	0.1642				
13.20	6.1720	0.720	-0.1467		0.62	4.3484	10.800	-0.1652
13.20	6.3434	0.740	-0.1513		0.62	5.3148	13.200	-0.1674 0.1790
13.20	6.6863	0.780	-0.1697	0.1436	0.62	6.0395	15.000	-0.1627
13.20	7.0292	0.820	-0.1680		0.62	7.0058	17.400	-0.1577 0.1450
13.20	7.3721	0.860	-0.1603	0.1097	0.62	7.9721	19.800	-0.1559 0.1072
13.20	7.7150	0.900	-0.1542	0.1120				
13.20	7.9293	0.925	-0.1472	0.1114	0.72	5.0498	10.800	-0.1646
13.20	8.1436	0.950	-0.1474	0.1150	0.72	6.1720	13.200	-0.1467
13.20	8.3150	0.970	-0.1206	0.1246	0.72	7.0136	15.000	-0.1519
13.20	8.4436	0.985	-0.0448	0.1629	0.72	8.1358	17.400	-0.1368 0.1269
13.20	8.5293	0.995	0.0937	0.3678	0.72	9.2580	19.800	-0.1407 0.1072
13.20	8.5722	1.000	0.3900	0.4175				
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.1802
15.00	5.2602	0.540	-0.1479		0.86	7.3721	13.200	-0.1603 0.1097
15.00	6.0395	0.620	-0.1627		0.86	8.3774	15.000	-0.1458
15.00	7.0136	0.720	-0.1519		0.86	9.7177	17.400	-0.1223 0.0777
15.00	8.3774	0.860	-0.1458		1.00	7.0136	10.800	0.3276
15.00	9.7411	1.000	0.3243		1.00	8.5722	13.200	0.3900 0.4175
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.3243
					1.00	10.5204	16.200	0.3466
					1.00	11.2997	17.400	0.3646
BASE PRESSURES								
PORT	CP				ETA	Y	X	CP-UP CP-LOW
1	-0.3832							
2	-0.3205							
3	-0.3046							
4	-0.2536							

TABLE AI.- Continued

(b) Continued

RUN 3	POINT 62	MACH 1.62	ALPHA 9.010	BETA 0.0	Q(PSF) 455.3	H0(PSF) 1085.1	P(PSF) 247.8	RE/FT(X10-6) 2.000
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.1894	0.1662	16.20	9.7411	1.000	0.3239
10.80	3.7873	0.540	-0.2000		17.40	6.1018	0.540	-0.1576 0.1726
10.80	4.3484	0.620	-0.1984		17.40	7.0058	0.620	-0.1880 0.1700
10.80	4.7692	0.680	-0.1778	0.1778	17.40	8.1358	0.720	-0.1804 0.1516
10.80	4.9095	0.700	-0.2007		17.40	9.7177	0.860	-0.1647 0.1093
10.80	5.0498	0.720	-0.2066		17.40	11.2997	1.000	0.3424
10.80	6.0317	0.860	-0.2056	0.1330				
10.80	6.4876	0.925	-0.1786		19.80	6.9435	0.540	-0.1533 0.1615
10.80	6.8032	0.970	-0.0748	0.2106	19.80	7.9721	0.620	-0.1893 0.1581
10.80	6.9084	0.985	0.3003		19.80	9.2580	0.720	-0.1907 0.1322
10.80	7.0136	1.000			X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.1276	0.1879				
13.20	3.9432	0.460	-0.1559		ETA	Y	X	CP-UP CP-LOW
13.20	4.6290	0.540	-0.1770	0.2022	0.54	3.7873	10.800	-0.1894
13.20	4.9719	0.580	-0.1918		0.54	4.6290	13.200	-0.1770 0.2022
13.20	5.3148	0.620	-0.1955	0.2024	0.54	5.2602	15.000	-0.1691
13.20	5.6576	0.660	-0.1929		0.54	6.1018	17.400	-0.1576 0.1726
13.20	5.8291	0.680	-0.1899		0.54	6.9435	19.800	-0.1533 0.1615
13.20	6.0005	0.700	-0.1946	0.1875				
13.20	6.1720	0.720	-0.1931		0.62	4.3484	10.800	-0.2000
13.20	6.3434	0.740	-0.1973		0.62	5.3148	13.200	-0.1955 0.2024
13.20	6.6863	0.780	-0.2074	0.1734	0.62	6.0395	15.000	-0.1899
13.20	7.0292	0.820	-0.1995		0.62	7.0058	17.400	-0.1880 0.1700
13.20	7.3721	0.860	-0.1936	0.1472	0.62	7.9721	19.800	-0.1893 0.1322
13.20	7.7150	0.900	-0.1847		0.62			
13.20	7.9293	0.925	-0.1820	0.1583	0.72	5.0498	10.800	-0.2007
13.20	8.1436	0.950	-0.1737	0.1654	0.72	6.1720	13.200	-0.1931
13.20	8.3150	0.970	-0.1472	0.1786	0.72	7.0136	15.000	-0.1973
13.20	8.4436	0.985	-0.0874	0.2366	0.72	8.1358	17.400	-0.1804 0.1516
13.20	8.5293	0.995	0.0394	0.4113	0.72	9.2580	19.800	-0.1907 0.1322
13.20	8.5722	1.000	0.3717	0.4124				
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.2066
15.00	5.2602	0.540	-0.1691		0.86	7.3721	13.200	-0.1936 0.1472
15.00	6.0395	0.620	-0.1899		0.86	8.3774	15.000	-0.1787
15.00	7.0136	0.720	-0.1973		0.86	9.7177	17.400	-0.1647 0.1093
15.00	8.3774	0.860	-0.1787		1.00	7.0136	10.800	0.3003
15.00	9.7411	1.000	0.3013		1.00	8.5722	13.200	0.3717 0.4124
					1.00	9.7411	15.000	0.3013
					1.00	10.5204	16.200	0.3239
					1.00	11.2997	17.400	0.3424
					ETA	Y	X	CP-UP CP-LOW
PORT	CP							
1	-0.4040							
2	-0.2929							
3	-0.3113							
4	-0.2574							

TABLE AI.- Continued

(b) Continued

RUN 3	POINT 63	MACH 1.62	ALPHA 9.990	BETA 0.0	Q(PSF) 455.1	H0(PSF) 1084.7	P(PSF) 247.7	RE/FT(X10-6) 1.999
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.2121	0.1896	16.20	9.7411	1.000	0.2978
10.80	3.7873	0.540	-0.2223		17.40	6.1018	0.540	-0.1791 0.1974
10.80	4.3484	0.620	-0.2299		17.40	7.0058	0.620	-0.2199 0.1924
10.80	4.7692	0.680	-0.2299	0.2023	17.40	8.1358	0.720	-0.2165 0.1769
10.80	4.9095	0.700	-0.2479		17.40	9.7177	0.860	-0.1907 0.1406
10.80	5.0498	0.720	-0.2343		17.40	11.2997	1.000	0.3240
10.80	6.0317	0.860	-0.2292	0.1844	X	Y	ETA	CP-UP CP-LOW
10.80	6.4876	0.925	-0.2292		19.80	6.9435	0.540	-0.1667 0.1843
10.80	6.8032	0.970	-0.1965		19.80	7.9721	0.620	-0.2205 0.1788
10.80	6.9084	0.985	-0.1293	0.2692	19.80	9.2580	0.720	-0.2175 0.1588
10.80	7.0136	1.000	0.2653		X	Y	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1395	0.2091	ETA	Y	X	CP-UP CP-LOW
13.20	3.9432	0.460	-0.1665		0.54	3.7873	10.800	-0.2121
13.20	4.6290	0.540	-0.1997	0.2230	0.54	4.6290	13.200	-0.1997 0.2230
13.20	4.9719	0.580	-0.2207		0.54	5.2602	15.000	-0.1928
13.20	5.3148	0.620	-0.2263	0.2244	0.54	6.1018	17.400	-0.1791 0.1974
13.20	5.6576	0.660	-0.2261		0.54	6.9435	19.800	-0.1667 0.1843
13.20	5.8291	0.680	-0.2325		X	Y	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.2409	0.2128	0.62	4.3484	10.800	-0.2223
13.20	6.1720	0.720	-0.2443		0.62	5.3148	13.200	-0.2263 0.2244
13.20	6.3434	0.740	-0.2290		0.62	6.0395	15.000	-0.2190
13.20	6.6863	0.780	-0.2377	0.1992	0.62	7.0058	17.400	-0.2199 0.1924
13.20	7.0292	0.820	-0.2276		0.62	7.9721	19.800	-0.2205 0.1588
13.20	7.3721	0.860	-0.2225	0.1801	0.62			
13.20	7.7150	0.900	-0.2200	0.1869	0.72	5.0498	10.800	-0.2479
13.20	7.9293	0.925	-0.2106	0.1986	0.72	6.1720	13.200	-0.2443
13.20	8.1436	0.950	-0.1931	0.2127	0.72	7.0136	15.000	-0.2367
13.20	8.3150	0.970	-0.1816	0.2354	0.72	8.1358	17.400	-0.2165 0.1769
13.20	8.4436	0.985	-0.1333	0.2970	0.72	9.2580	19.800	-0.2175 0.1588
13.20	8.5293	0.995	0.0017	0.4527	0.72			
13.20	8.5722	1.000	0.3497	0.4013	0.86	6.0317	10.800	-0.2343
15.00	5.2602	0.540	-0.1928		0.86	7.3721	13.200	-0.2225 0.1801
15.00	6.0395	0.620	-0.2190		0.86	8.3774	15.000	-0.2082
15.00	7.0136	0.720	-0.2367		0.86	9.7177	17.400	-0.1907 0.1406
15.00	8.3774	0.860	-0.2082		1.00	7.0136	10.800	0.2653
15.00	9.7411	1.000	0.2754		1.00	8.5722	13.200	0.3497 0.4013
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.2754
BASE PRESSURES								
PORT	CP				1.00	10.5204	16.200	0.2978
1	-0.4131				1.00	11.2997	17.400	0.3240
2	-0.3307				X	Y	CP-UP	CP-LOW
3	-0.3168							
4	-0.2584							

TABLE AI.- Continued

(b) Continued

RUN 3	POINT 64	MACH 1.62	ALPHA 11.020	BETA 0.0	Q(PSF) 456.0	H(PSF) 1086.8	P(PSF) 248.2	RE/FT(X10-6) 2.003
	X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA
10.80	2.8054	0.400			0.2158	16.20	9.7411	1.000
10.80	3.7873	0.540	-0.2364					0.2605
10.80	4.3484	0.620	-0.2552			17.40	6.1018	0.540
10.80	4.7692	0.680	-0.2759			17.40	7.0058	0.620
10.80	4.9095	0.700		0.2295		17.40	8.1358	0.720
10.80	5.0498	0.720	-0.2898			17.40	9.7177	0.860
10.80	6.0317	0.860	-0.2679			17.40	11.2997	1.000
10.80	6.4876	0.925	-0.2556	0.2251				0.3008
10.80	6.8032	0.970	-0.2249			19.80	6.9435	0.540
10.80	6.9084	0.985	-0.1747	0.3298		19.80	7.9721	0.620
10.80	7.0136	1.000	0.2269			19.80	9.2580	0.720
	X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA
13.20	3.4289	0.400	-0.1559	0.2345				CP-UP
13.20	3.9432	0.460	-0.1709		ETA			CP-LOW
13.20	4.6290	0.540	-0.2261	0.2477	0.54	3.7873	10.800	-0.2364
13.20	4.9719	0.580	-0.2521		0.54	4.6290	13.200	-0.2261
13.20	5.3148	0.620	-0.2561	0.2499	0.54	5.2602	15.000	0.2477
13.20	5.6576	0.660	-0.2809		0.54	6.1018	17.400	-0.2002
13.20	5.8291	0.680	-0.2790		0.54	6.9435	19.800	0.2251
13.20	6.0005	0.700	-0.2793	0.2411				-0.1910
13.20	6.1720	0.720	-0.2648		0.62	4.3484	10.800	0.2086
13.20	6.3434	0.740	-0.2706		0.62	5.3148	13.200	-0.2561
13.20	6.6863	0.780	-0.2612	0.2322	0.62	6.0395	15.000	0.2499
13.20	7.0292	0.820	-0.2530		0.62	7.0058	17.400	-0.2773
13.20	7.3721	0.860	-0.2501	0.2136	0.62	7.9721	19.800	0.1858
13.20	7.7150	0.900	-0.2474	0.2240				
13.20	7.9293	0.925	-0.2333	0.2407	0.72	5.0498	10.800	-0.2898
13.20	8.1436	0.950	-0.2240	0.2580	0.72	6.1720	13.200	-0.2648
13.20	8.3150	0.970	-0.2196	0.2848	0.72	7.0136	15.000	-0.2630
13.20	8.4436	0.985	-0.1848	0.3540	0.72	8.1358	17.400	-0.2429
13.20	8.5293	0.995	-0.0440	0.4796	0.72	9.2580	19.800	0.2036
13.20	8.5722	1.000	0.3255	0.3888				0.1858
	X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800
15.00	5.2602	0.540	-0.2177			0.86	7.3721	13.200
15.00	6.0395	0.620	-0.2659			0.86	8.3774	15.000
15.00	7.0136	0.720	-0.2630			0.86	9.7177	17.400
15.00	8.3774	0.860	-0.2395			1.00	7.0136	10.800
15.00	9.7411	1.000	0.2444			1.00	8.5722	13.200
	X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000
						1.00	10.5204	16.200
						1.00	11.2997	17.400
						ETA	Y	X
								CP-UP
								CP-LOW
BASE PRESSURES								
PORT CP								
1	-0.4087							
2	-0.3141							
3	-0.3316							
4	-0.2587							

TABLE AI.- Continued

(b) Continued

RUN 4	POINT 83	MACH 1.62	ALPHA 8.000	BETA 0.0	Q(PSF) 455.6	H0(PSF) 1085.9	P(PSF) 248.0	RE/FT(X10-6) 2.002	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1629	0.1480	16.20	9.7411	1.000	0.3510	
10.80	3.7873	0.540	-0.1747		17.40	6.1018	0.540	-0.1384	0.1525
10.80	4.3484	0.620	-0.1731		17.40	7.0058	0.620	-0.1545	0.1496
10.80	4.7692	0.680	-0.1664	0.1530	17.40	8.1358	0.720	-0.1366	0.1307
10.80	4.9095	0.700	-0.1688	0.0980	17.40	9.7177	0.860	-0.1182	0.0777
10.80	5.0498	0.720	-0.1738		17.40	11.2997	1.000	0.3650	
10.80	6.0317	0.860	-0.1738		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.1688						
10.80	6.8032	0.970	-0.1589		19.80	6.9435	0.540	-0.1341	0.1347
10.80	6.9084	0.985	-0.0406	0.1464	19.80	7.9721	0.620	-0.1507	0.1347
10.80	7.0136	1.000	0.3278		19.80	9.2580	0.720	-0.1391	0.1110
13.20	3.4289	0.400	-0.1100	0.1664	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1296						
13.20	4.6290	0.540	-0.1493	0.1805	ETA	Y	X	CP-UP	CP-LOW
13.20	4.9719	0.580	-0.1597		0.54	3.7873	10.800	-0.1629	
13.20	5.3148	0.620	-0.1674	0.1811	0.54	4.6290	13.200	-0.1493	0.1805
13.20	5.6576	0.660	-0.1656		0.54	5.2602	15.000	-0.1452	
13.20	5.8291	0.680	-0.1613		0.54	6.1018	17.400	-0.1384	0.1525
13.20	6.0005	0.700	-0.1563	0.1669	0.54	6.9435	19.800	-0.1341	0.1347
13.20	6.1720	0.720	-0.1559		0.62	4.3484	10.800	-0.1747	
13.20	6.3434	0.740	-0.1590		0.62	5.3148	13.200	-0.1674	0.1811
13.20	6.6863	0.780	-0.1561	0.1446	0.62	6.0395	15.000	-0.1592	
13.20	7.0292	0.820	-0.1648		0.62	7.0058	17.400	-0.1545	0.1496
13.20	7.3721	0.860	-0.1545	0.1107	0.62	7.9721	19.800	-0.1507	0.1110
13.20	7.7150	0.900	-0.1561	0.1170	X	Y	ETA	CP-UP	CP-LOW
13.20	7.9293	0.925	-0.1473	0.1126					
13.20	8.1436	0.950	-0.1460	0.1120	0.72	5.0498	10.800	-0.1664	
13.20	8.3150	0.970	-0.1231	0.1252	0.72	6.1720	13.200	-0.1559	
13.20	8.4436	0.985	-0.0394	0.1668	0.72	7.0136	15.000	-0.1482	
13.20	8.5293	0.995	0.0937	0.3711	0.72	8.1358	17.400	-0.1366	0.1307
13.20	8.5722	1.000	0.3918	0.4176	0.72	9.2580	19.800	-0.1391	0.1110
15.00	5.2602	0.540	-0.1452		0.86	6.0317	10.800	-0.1738	
15.00	6.0395	0.620	-0.1592		0.86	7.3721	13.200	-0.1545	0.1107
15.00	7.0136	0.720	-0.1482		0.86	8.3774	15.000	-0.1439	
15.00	8.3774	0.860	-0.1439		0.86	9.7177	17.400	-0.1182	0.0777
X	Y	ETA	CP-UP	CP-LOW	1.00	7.0136	10.800	0.3278	
					1.00	8.5722	13.200	0.3918	0.4176
					1.00	9.7411	15.000	0.3272	
					1.00	10.5204	16.200	0.3510	
					1.00	11.2997	17.400	0.3650	
					ETA	Y	X	CP-UP	CP-LOW
BASE PRESSURES									
PORT	CP								
1	-0.3836								
2	-0.3162								
3	-0.3002								
4	-0.2464								

TABLE AI.- Continued

(b) Continued

RUN 4	POINT 84	MACH 1.62	ALPHA 8.980	BETA 0.0	Q(PSF) 455.6	H0(PSF) 1086.0	P(PSF) 248.0	RE/FT(X10-6) 2.002		
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW	
10.80	2.8054	0.400	-0.1857	0.1665	16.20	9.7411	1.000	0.3230		
10.80	3.7873	0.540	-0.2006		17.40	6.1018	0.540	-0.1582	0.1726	
10.80	4.3484	0.620	-0.1980		17.40	7.0058	0.620	-0.1827	0.1693	
10.80	4.7692	0.680		0.1744	17.40	8.1358	0.720	-0.1846	0.1525	
10.80	4.9095	0.700			17.40	9.7177	0.860	-0.1592	0.1086	
10.80	5.0498	0.720	-0.1959		17.40	11.2997	1.000	0.3424		
10.80	6.0317	0.860	-0.2092		X	Y	ETA	CP-UP	CP-LOW	
10.80	6.4876	0.925	-0.2033	0.1429						
10.80	6.8032	0.970	-0.1767		19.80	6.9435	0.540	-0.1529	0.1563	
10.80	6.9084	0.985	-0.0775	0.2090	19.80	7.9721	0.620	-0.1817	0.1542	
10.80	7.0136	1.000	0.2948		19.80	9.2580	0.720	-0.1823	0.1311	
13.20	3.4289	0.400	-0.1248	0.1837	X	Y	ETA	CP-UP	CP-LOW	
13.20	3.9432	0.460	-0.1475							
13.20	4.6290	0.540	-0.1748	0.2019	ETA	Y	X	CP-UP	CP-LOW	
13.20	4.9719	0.580	-0.1894		0.54	3.7873	10.800	-0.1857		
13.20	5.3148	0.620	-0.1914	0.2014	0.54	4.6290	13.200	-0.1748	0.2019	
13.20	5.6576	0.660	-0.1887		0.54	5.2602	15.000	-0.1664		
13.20	5.8291	0.680	-0.1925		0.54	6.1018	17.400	-0.1582	0.1726	
13.20	6.0005	0.700	-0.1892	0.1884	0.54	6.9435	19.800	-0.1529	0.1563	
13.20	6.1720	0.720	-0.1900		0.62	4.3484	10.800	-0.2006		
13.20	6.3434	0.740	-0.2107		0.62	5.3148	13.200	-0.1914	0.2014	
13.20	6.6863	0.780	-0.2010	0.1694	0.62	6.0395	15.000	-0.1861		
13.20	7.0292	0.820	-0.1993		0.62	7.0058	17.400	-0.1827	0.1693	
13.20	7.3721	0.860	-0.1927	0.1445	0.62	7.9721	19.800	-0.1817	0.1311	
13.20	7.7150	0.900	-0.1830	0.1491						
13.20	7.9293	0.925	-0.1812	0.1554	0.72	5.0498	10.800	-0.1959		
13.20	8.1436	0.950	-0.1708	0.1649	0.72	6.1720	13.200	-0.1900		
13.20	8.3150	0.970	-0.1444	0.1849	0.72	7.0136	15.000	-0.1906		
13.20	8.4436	0.985	-0.0812	0.2309	0.72	8.1358	17.400	-0.1846	0.1525	
13.20	8.5293	0.995	0.0411	0.4110	0.72	9.2580	19.800	-0.1823	0.1311	
13.20	8.5722	1.000	0.3710	0.4079	0.86	6.0317	10.800	-0.2092		
15.00	5.2602	0.540	-0.1664		0.86	7.3721	13.200	-0.1927	0.1445	
15.00	6.0395	0.620	-0.1861		0.86	8.3774	15.000	-0.1790		
15.00	7.0136	0.720	-0.1906		0.86	9.7177	17.400	-0.1592	0.1086	
15.00	8.3774	0.860	-0.1790		1.00	7.0136	10.800	0.2948		
15.00	9.7411	1.000	0.3017		1.00	8.5722	13.200	0.3710	0.4079	
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.3017		
BASE PRESSURES										
PORT	CP				1.00	10.5204	16.200	0.3230		
1	-0.4048				1.00	11.2997	17.400	0.3424		
2	-0.2916				ETA	Y	X	CP-UP	CP-LOW	
3	-0.3065									
4	-0.2517									

TABLE AI.- Continued

(b) Continued

RUN 4	POINT 85	MACH 1.62	ALPHA 9.980	BETA 0.0	Q(PSF) 455.6	H0(PSF) 1085.9	P(PSF) 248.0	RE/FT(X10-6) 2.002
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.2096	0.1916	16.20	9.7411	1.000	0.2984
10.80	3.7873	0.540	-0.2092		17.40	6.1018	0.540	-0.1728 0.1967
10.80	4.3484	0.620	-0.2256		17.40	7.0058	0.620	-0.2117 0.1961
10.80	4.7692	0.680		0.1985	17.40	8.1358	0.720	-0.2126 0.1794
10.80	4.9095	0.700	-0.2412		17.40	9.7177	0.860	-0.1896 0.1403
10.80	5.0498	0.720	-0.2365		17.40	11.2997	1.000	0.3226
10.80	6.0317	0.860	-0.2303	0.1822	X	Y	ETA	CP-UP CP-LOW
10.80	6.4876	0.925						
10.80	6.8032	0.970	-0.1996		19.80	6.9435	0.540	-0.1657 0.1785
10.80	6.9084	0.985	-0.1209	0.2650	19.80	7.9721	0.620	-0.2138 0.1800
10.80	7.0136	1.000	-0.2667		19.80	9.2580	0.720	-0.2151 0.1567
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.1399	0.2074				
13.20	3.9432	0.460	-0.1645		ETA	Y	X	CP-UP CP-LOW
13.20	4.6290	0.540	-0.2012	0.2232	0.54	3.7873	10.800	-0.2096
13.20	4.9719	0.580	-0.2175		0.54	4.6290	13.200	-0.2012 0.2232
13.20	5.3148	0.620	-0.2228	0.2225	0.54	5.2602	15.000	-0.1882
13.20	5.6576	0.660	-0.2178		0.54	6.1018	17.400	-0.1728 0.1967
13.20	5.8291	0.680	-0.2272		0.54	6.9435	19.800	-0.1657 0.1785
13.20	6.0005	0.700	-0.2357	0.2130				
13.20	6.1720	0.720	-0.2329		0.62	4.3484	10.800	-0.2092
13.20	6.3434	0.740	-0.2311		0.62	5.3148	13.200	-0.2228 0.2225
13.20	6.6863	0.780	-0.2348	0.1992	0.62	6.0395	15.000	-0.2137
13.20	7.0292	0.820	-0.2274		0.62	7.0058	17.400	-0.2117 0.1961
13.20	7.3721	0.860	-0.2270	0.1772	0.62	7.9721	19.800	-0.2138 0.1567
13.20	7.7150	0.900	-0.2213	0.1862				
13.20	7.9293	0.925	-0.2115	0.1981	0.72	5.0498	10.800	-0.2412
13.20	8.1436	0.950	-0.1924	0.2131	0.72	6.1720	13.200	-0.2329
13.20	8.3150	0.970	-0.1767	0.2361	0.72	7.0136	15.000	-0.2352
13.20	8.4436	0.985	-0.1380	0.2987	0.72	8.1358	17.400	-0.2126 0.1794
13.20	8.5293	0.995	-0.0021	0.4484	0.72	9.2580	19.800	-0.2151 0.1567
13.20	8.5722	1.000	0.3518	0.3998				
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.2365
15.00	5.2602	0.540	-0.1882		0.86	7.3721	13.200	-0.2270 0.1772
15.00	6.0395	0.620	-0.2137		0.86	8.3774	15.000	-0.2104
15.00	7.0136	0.720	-0.2352		0.86	9.7177	17.400	-0.1896 0.1403
15.00	8.3774	0.860	-0.2104		1.00	7.0136	10.800	0.2667
15.00	9.7411	1.000	0.2749		1.00	8.5722	13.200	0.3518 0.3998
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.2749
					1.00	10.5204	16.200	0.2984
					1.00	11.2997	17.400	0.3226
					ETA	Y	X	CP-UP CP-LOW
BASE PRESSURES								
PORT	CP							
1	-0.4110							
2	-0.3332							
3	-0.3121							
4	-0.2542							

TABLE AI.- Continued

(b) Continued

RUN 4	POINT 86	MACH 1.62	ALPHA 10.960	BETA 0.0	Q(PSF) 454.9	H0(PSF) 1084.1	P(PSF) 247.6	RE/FT(X10-6) 1.998
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP
10.80	2.8054	0.400	-0.2324	0.2147	16.20	9.7411	1.000	0.2694
10.80	3.7873	0.540	-0.3004		17.40	6.1018	0.540	-0.1937
10.80	4.3484	0.620	-0.2779		17.40	7.0058	0.620	-0.2633
10.80	4.7692	0.680	-0.2244		17.40	8.1358	0.720	-0.2343
10.80	4.9095	0.700	-0.2885		17.40	9.7177	0.860	-0.2212
10.80	5.0498	0.720	-0.2637		17.40	11.2997	1.000	0.3039
10.80	6.0317	0.860	-0.2166		X	Y	ETA	CP-UP
10.80	6.4876	0.925	-0.2563		19.80	6.9435	0.540	-0.1871
10.80	6.8032	0.970	-0.2256		19.80	7.9721	0.620	-0.2708
10.80	6.9084	0.985	-0.1568	0.3218	19.80	9.2580	0.720	-0.2403
10.80	7.0136	1.000	0.2260		X	Y	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1525	0.2330	ETA	Y	X	CP-UP
13.20	3.9432	0.460	-0.1808		0.54	3.7873	10.800	0.2324
13.20	4.6290	0.540	-0.2203	0.2461	0.54	4.6290	13.200	-0.2203
13.20	4.9719	0.580	-0.2489		0.54	5.2602	15.000	0.2461
13.20	5.3148	0.620	-0.2577	0.2434	0.54	6.1018	17.400	-0.2117
13.20	5.6576	0.660	-0.2788		0.54	6.9435	19.800	-0.1937
13.20	5.8291	0.680	-0.2809		X	Y	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.2714	0.2358	0.62	4.3484	10.800	-0.3004
13.20	6.1720	0.720	-0.2670		0.62	5.3148	13.200	-0.2577
13.20	6.3434	0.740	-0.2664		0.62	6.0395	15.000	0.2434
13.20	6.6863	0.780	-0.2600	0.2244	0.62	7.0058	17.400	-0.2534
13.20	7.0292	0.820	-0.2560		0.62	7.9721	19.800	-0.2633
13.20	7.3721	0.860	-0.2493	0.2094	0.62	8.1358	17.400	0.2200
13.20	7.7150	0.900	-0.2475	0.2219	0.62	9.2580	19.800	-0.2708
13.20	7.9293	0.925	-0.2361	0.2341	0.72	10.800	10.800	-0.2885
13.20	8.1436	0.950	-0.2214	0.2546	0.72	13.200	13.200	-0.2670
13.20	8.3150	0.970	-0.2232	0.2750	0.72	15.000	15.000	-0.2598
13.20	8.4436	0.985	-0.1880	0.3495	0.72	17.400	17.400	-0.2343
13.20	8.5293	0.995	-0.0432	0.4752	0.72	19.800	19.800	0.2052
13.20	8.5722	1.000	0.3220	0.3871	0.86	10.800	10.800	0.1804
15.00	5.2602	0.540	-0.2117		0.86	7.3721	13.200	-0.2637
15.00	6.0395	0.620	-0.2534		0.86	8.3774	15.000	-0.2493
15.00	7.0136	0.720	-0.2598		0.86	9.7177	17.400	0.2094
15.00	8.3774	0.860	-0.2339		1.00	7.0136	10.800	-0.2403
15.00	9.7411	1.000	0.2484		1.00	8.5722	13.200	0.3871
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.3220
BASE PRESSURES								
PORT	CP				1.00	10.5204	16.200	0.2484
1	-0.4084				1.00	11.2997	17.400	0.2694
2	-0.3095				1.00	CP-UP	CP-LOW	0.3039
3	-0.3277				X	Y	CP-UP	CP-LOW
4	-0.2570				ETA	CP-UP	CP-LOW	

TABLE AI.- Continued

(b) Continued

RUN 4	POINT 87	MACH 1.62	ALPHA 11.990	BETA 0.0	Q(PSF) 454.9	H0(PSF) 1084.1	P(PSF) 247.6	RE/FT(X10-6) 1.998
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.2596	0.2413	16.20	9.7411	1.000	0.2456
10.80	3.7873	0.540	-0.3129		17.40	6.1018	0.540	-0.2205 0.2487
10.80	4.3484	0.620	-0.3167		17.40	7.0058	0.620	-0.3004 0.2483
10.80	4.7692	0.680	-0.3139	0.2542	17.40	8.1358	0.720	-0.2637 0.2356
10.80	4.9095	0.700	-0.2915		17.40	9.7177	0.860	-0.2407 0.2103
10.80	5.0498	0.720	-0.2833	0.2582	17.40	11.2997	1.000	0.2810
10.80	6.4876	0.925	-0.2578		19.80	6.9435	0.540	-0.2157 0.2318
10.80	6.8032	0.970	-0.1884	0.3781	19.80	7.9721	0.620	-0.3004 0.2302
10.80	6.9084	0.985	-0.1907		19.80	9.2580	0.720	-0.2636 0.2097
10.80	7.0136	1.000			X Y	ETA	CP-UP CP-LOW	
13.20	3.4289	0.400	-0.1657	0.2602				
13.20	3.9432	0.460	-0.2001		ETA	Y X	CP-UP CP-LOW	
13.20	4.6290	0.540	-0.2541	0.2719	0.54	3.7873	10.800	-0.2596
13.20	4.9719	0.580	-0.2840		0.54	4.6290	13.200	-0.2541 0.2719
13.20	5.3148	0.620	-0.2737	0.2728	0.54	5.2602	15.000	-0.2399
13.20	5.6576	0.660	-0.3090		0.54	6.1018	17.400	-0.2205 0.2487
13.20	5.8291	0.680	-0.3042		0.54	6.9435	19.800	-0.2157 0.2318
13.20	6.0005	0.700	-0.2927	0.2619				
13.20	6.1720	0.720	-0.2922		0.62	4.3484	10.800	-0.3129
13.20	6.3434	0.740	-0.2850		0.62	5.3148	13.200	-0.2737 0.2728
13.20	6.6863	0.780	-0.2864	0.2577	0.62	6.0395	15.000	-0.3060
13.20	7.0292	0.820	-0.2782		0.62	7.0058	17.400	-0.3004 0.2483
13.20	7.3721	0.860	-0.2737	0.2439	0.62	7.9721	19.800	-0.3004 0.2097
13.20	7.7150	0.900	-0.2710	0.2621				
13.20	7.9293	0.925	-0.2599	0.2769	0.72	5.0498	10.800	-0.3139
13.20	8.1436	0.950	-0.2585	0.2994	0.72	6.1720	13.200	-0.2922
13.20	8.3150	0.970	-0.2565	0.3277	0.72	7.0136	15.000	-0.2832
13.20	8.4436	0.985	-0.2200	0.3998	0.72	8.1358	17.400	-0.2637 0.2356
13.20	8.5293	0.995	-0.0835	0.5009	0.72	9.2580	19.800	-0.2636 0.2097
13.20	8.5722	1.000	0.2968	0.3744				
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.2915
15.00	5.2602	0.540	-0.2399		0.86	7.3721	13.200	-0.2737 0.2439
15.00	6.0395	0.620	-0.3060		0.86	8.3774	15.000	-0.2633
15.00	7.0136	0.720	-0.2832		0.86	9.7177	17.400	-0.2407 0.2103
15.00	8.3774	0.860	-0.2633		1.00	7.0136	10.800	0.1907
15.00	9.7411	1.000	0.2138		1.00	8.5722	13.200	0.2968 0.3744
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.2138
					1.00	10.5204	16.200	0.2456
					1.00	11.2997	17.400	0.2810
					X Y	CP-UP CP-LOW		
BASE PRESSURES								
PORt	CP							
1	-0.4055							
2	-0.3445							
3	-0.3427							
4	-0.2584							

TABLE AI.- Concluded

(b) Concluded

RUN 4	POINT 88	MACH 1.62	ALPHA 12.000	BETA 0.0	Q(PSF) 454.9	H0(PSF) 1084.2	P(PSF) 247.6	RE/FT(X10-6) 1.998	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.2562	0.2393	16.20	9.7411	1.000	0.2484	
10.80	3.7873	0.540	-0.3159		17.40	6.1018	0.540	-0.2217	0.2493
10.80	4.3484	0.620	-0.3196		17.40	7.0058	0.620	-0.2991	0.2483
10.80	4.7692	0.680	-0.3196		17.40	8.1358	0.720	-0.2641	0.2344
10.80	4.9095	0.700	-0.3131		17.40	9.7177	0.860	-0.2463	0.2104
10.80	5.0498	0.720	-0.2907		17.40	11.2997	1.000	0.2823	
10.80	6.0317	0.860	-0.2851	0.2586	X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.2548		19.80	6.9435	0.540	-0.2165	0.2295
10.80	6.8032	0.970	-0.2096	0.3809	19.80	7.9721	0.620	-0.3023	0.2308
10.80	6.9084	0.985	-0.2096		19.80	9.2580	0.720	-0.2621	0.2096
10.80	7.0136	1.000	0.1899						
13.20	3.4289	0.400	-0.1655	0.2590					
13.20	3.9432	0.460	-0.1797						
13.20	4.6290	0.540	-0.2522	0.2726	ETA	Y	X	CP-UP	CP-LOW
13.20	4.9719	0.580	-0.2840		0.54	3.7873	10.800	-0.2562	
13.20	5.3148	0.620	-0.3213	0.2726	0.54	4.6290	13.200	-0.2522	0.2726
13.20	5.6576	0.660	-0.3067		0.54	5.2602	15.000	-0.2398	
13.20	5.8291	0.680	-0.3008		0.54	6.1018	17.400	-0.2217	0.2493
13.20	6.0005	0.700	-0.2908	0.2633	0.54	6.9435	19.800	-0.2165	0.2295
13.20	6.1720	0.720	-0.2895		0.62	4.3484	10.800	-0.3159	
13.20	6.3434	0.740	-0.2794		0.62	5.3148	13.200	-0.3213	0.2726
13.20	6.6863	0.780	-0.2859	0.2594	0.62	6.0395	15.000	-0.3080	
13.20	7.0292	0.820	-0.2778		0.62	7.0058	17.400	-0.2991	0.2483
13.20	7.3721	0.860	-0.2769	0.2459	0.62	7.9721	19.800	-0.3023	0.2096
13.20	7.7150	0.900	-0.2705	0.2649					
13.20	7.9293	0.925	-0.2625	0.2733	0.72	5.0498	10.800	-0.3131	
13.20	8.1436	0.950	-0.2611	0.2997	0.72	6.1720	13.200	-0.2895	
13.20	8.3150	0.970	-0.2588	0.3234	0.72	7.0136	15.000	-0.2845	
13.20	8.4436	0.985	-0.2190	0.4015	0.72	8.1358	17.400	-0.2641	0.2344
13.20	8.5293	0.995	-0.0833	0.5005	0.72	9.2580	19.800	-0.2621	0.2096
13.20	8.5722	1.000	0.2988	0.3725	0.86	6.0317	10.800	-0.2907	
15.00	5.2602	0.540	-0.2398		0.86	7.3721	13.200	-0.2769	0.2459
15.00	6.0395	0.620	-0.3080		0.86	8.3774	15.000	-0.2627	
15.00	7.0136	0.720	-0.2845		0.86	9.7177	17.400	-0.2463	0.2104
15.00	8.3774	0.860	-0.2627						
15.00	9.7411	1.000	0.2209		1.00	7.0136	10.800	0.1899	
	X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2988
						1.00	9.7411	15.000	0.2209
						1.00	10.5204	16.200	0.2484
						1.00	11.2997	17.400	0.2823
BASE PRESSURES									
PORT	CP								
1	-0.4065								
2	-0.3463								
3	-0.3451								
4	-0.2580								

TABLE AII.- CAMBERED WING-BODY-CANARD CONFIGURATION WITH NOSE 1

(a) $\delta_c = 0^\circ$

RUN 5	POINT 112	MACH 1.62	ALPHA 8.930	BETA 0.0	Q(PSF) 454.8	H0(PSF) 1083.9	P(PSF) 247.5	RE/FT(X10-6) 1.998
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400		0.1589	16.20	9.7411	1.000	0.3144
10.80	3.7873	0.540	-0.1637		17.40	6.1018	0.540	-0.1607 0.1710
10.80	4.3484	0.620	-0.1579		17.40	7.0058	0.620	-0.1679 0.1691
10.80	4.7692	0.680	-0.1652		17.40	8.1358	0.720	-0.1439 0.1544
10.80	4.9095	0.700		0.1644	17.40	9.7177	0.860	-0.1713 0.1146
10.80	5.0498	0.720	-0.1669		17.40	11.2997	1.000	0.3363
10.80	6.0317	0.860	-0.2255		X	Y	ETA	CP-UP CP-LOW
10.80	6.4876	0.925	-0.2246	0.1252				
10.80	6.8032	0.970	-0.1942		19.80	6.9435	0.540	-0.1564 0.1521
10.80	6.9084	0.985	-0.1090	0.2105	19.80	7.9721	0.620	-0.1730 0.1515
10.80	7.0136	1.000	0.2756		19.80	9.2580	0.720	-0.1549 0.1309
13.20	3.4289	0.400	-0.1334	0.1806	X	Y	ETA	CP-UP CP-LOW
13.20	3.9432	0.460	-0.1458					
13.20	4.6290	0.540	-0.1600	0.2007	ETA	Y	X	CP-UP CP-LOW
13.20	4.9719	0.580	-0.1647		0.54	3.7873	10.800	-0.1637
13.20	5.3148	0.620	-0.1700	0.2011	0.54	4.6290	13.200	-0.1600 0.2007
13.20	5.6576	0.660	-0.1556		0.54	5.2602	15.000	-0.1611
13.20	5.8291	0.680	-0.1585		0.54	6.1018	17.400	-0.1607 0.1710
13.20	6.0005	0.700	-0.1597	0.1859	0.54	6.9435	19.800	-0.1564 0.1521
13.20	6.1720	0.720	-0.1559		0.62	4.3484	10.800	-0.1579
13.20	6.3434	0.740	-0.1589		0.62	5.3148	13.200	-0.1700 0.2011
13.20	6.6863	0.780	-0.1856	0.1683	0.62	6.0395	15.000	-0.1657
13.20	7.0292	0.820	-0.2153		0.62	7.0058	17.400	-0.1679 0.1691
13.20	7.3721	0.860	-0.2139	0.1414	0.62	7.9721	19.800	-0.1730 0.1309
13.20	7.7150	0.900	-0.2086	0.1476	X	Y	ETA	CP-UP CP-LOW
13.20	7.9293	0.925	-0.2015	0.1545				
13.20	8.1436	0.950	-0.1894	0.1666	0.72	5.0498	10.800	-0.1669
13.20	8.3150	0.970	-0.1602	0.1838	0.72	6.1720	13.200	-0.1559
13.20	8.4436	0.985	-0.0732	0.2388	0.72	7.0136	15.000	-0.1548
13.20	8.5293	0.995	0.0260	0.4081	0.72	8.1358	17.400	-0.1439 0.1544
13.20	8.5722	1.000	0.3545	0.3928	0.72	9.2580	19.800	-0.1549 0.1309
					0.86	6.0317	10.800	-0.2255
15.00	5.2602	0.540	-0.1611		0.86	7.3721	13.200	-0.2139 0.1414
15.00	6.0395	0.620	-0.1657		0.86	8.3774	15.000	-0.1940
15.00	7.0136	0.720	-0.1548		0.86	9.7177	17.400	-0.1713 0.1146
15.00	8.3774	0.860	-0.1940		X	Y	ETA	CP-UP CP-LOW
15.00	9.7411	1.000	0.2887					
X	Y	ETA	CP-UP	CP-LOW	1.00	7.0136	10.800	0.2756
					1.00	8.5722	13.200	0.3545 0.3928
					1.00	9.7411	15.000	0.2887
					1.00	10.5204	16.200	0.3144
					1.00	11.2997	17.400	0.3363
					X	Y	ETA	CP-UP CP-LOW
BASE PRESSURES								
PORT CP								
1	-0.3986							
2	-0.3018							
3	-0.3085							
4	-0.2505							

TABLE AII.- Continued

(a) Continued

RUN 5	POINT 114	MACH 1.62	ALPHA 10.930	BETA 0.0	Q(PSF) 454.7	H0(PSF) 1083.8	P(PSF) 247.5	RE/FT(X10-6) 1.998	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1957	0.2032	16.20	9.7411	1.000	0.2610	
10.80	3.7873	0.540	-0.1920		17.40	6.1018	0.540	-0.1943	0.2191
10.80	4.3484	0.620	-0.1983		17.40	7.0058	0.620	-0.2077	0.2180
10.80	4.7692	0.680	-0.1983	0.2125	17.40	8.1358	0.720	-0.2563	0.2045
10.80	4.9095	0.700	-0.2152		17.40	9.7177	0.860	-0.2309	0.1795
10.80	5.0498	0.720	-0.3050		17.40	11.2997	1.000	0.2926	
10.80	6.0317	0.860	-0.2977	0.1977					
10.80	6.4876	0.925	-0.2977		19.80	6.9435	0.540	-0.1924	0.1995
10.80	6.8032	0.970	-0.2579		19.80	7.9721	0.620	-0.2166	0.1991
10.80	6.9084	0.985	-0.1994	0.3078	19.80	9.2580	0.720	-0.2587	0.1792
10.80	7.0136	1.000	0.1973		X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1619	0.2305					
13.20	3.9432	0.460	-0.1763		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1962	0.2464	0.54	3.7873	10.800	-0.1957	
13.20	4.9719	0.580	-0.2018		0.54	4.6290	13.200	-0.1962	0.2464
13.20	5.3148	0.620	-0.2071	0.2484	0.54	5.2602	15.000	-0.1997	
13.20	5.6576	0.660	-0.1993		0.54	6.1018	17.400	-0.1943	0.2191
13.20	5.8291	0.680	-0.2113		0.54	6.9435	19.800	-0.1924	0.1995
13.20	6.0005	0.700	-0.2224	0.2333					
13.20	6.1720	0.720	-0.2445		0.62	4.3484	10.800	-0.1920	
13.20	6.3434	0.740	-0.2664		0.62	5.3148	13.200	-0.2071	0.2484
13.20	6.6863	0.780	-0.2799	0.2257	0.62	6.0395	15.000	-0.2031	
13.20	7.0292	0.820	-0.2797		0.62	7.0058	17.400	-0.2077	0.2180
13.20	7.3721	0.860	-0.2740	0.2084	0.62	7.9721	19.800	-0.2166	0.1792
13.20	7.7150	0.900	-0.2689	0.2212					
13.20	7.9293	0.925	-0.2587	0.2328	0.72	5.0498	10.800	-0.2152	
13.20	8.1436	0.950	-0.2431	0.2658	0.72	6.1720	13.200	-0.2445	
13.20	8.3150	0.970	-0.2390	0.2854	0.72	7.0136	15.000	-0.2671	
13.20	8.4436	0.985	-0.1646	0.3470	0.72	8.1358	17.400	-0.2563	0.2045
13.20	8.5293	0.995	-0.0608	0.4692	0.72	9.2580	19.800	-0.2587	0.1792
13.20	8.5722	1.000	0.3111	0.3674					
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.3050	
15.00	5.2602	0.540	-0.1997		0.86	7.3721	13.200	-0.2740	0.2084
15.00	6.0395	0.620	-0.2031		0.86	8.3774	15.000	-0.2545	
15.00	7.0136	0.720	-0.2671		0.86	9.7177	17.400	-0.2309	0.1795
15.00	8.3774	0.860	-0.2545		1.00	7.0136	10.800	0.1973	
15.00	9.7411	1.000	0.2331		1.00	8.5722	13.200	0.3111	0.3674
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.2331	
BASE PRESSURES									
PORT	CP				1.00	10.5204	16.200	0.2610	
1	-0.4109				1.00	11.2997	17.400	0.2926	
2	-0.3199				ETA	Y	X	CP-UP	CP-LOW
3	-0.3234								
4	-0.2561								

TABLE AII.- Continued

(a) Continued

RUN 5	POINT 115	MACH 1.62	ALPHA 11.960	BETA 0.0	Q(PSF) 455.6	H0(PSF) 1086.0	P(PSF) 248.0	RE/FT(X10-6) 2.002
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP
10.80	2.8054	0.400	-0.2133	0.2278	16.20	9.7411	1.000	0.2376
10.80	3.7873	0.540	-0.2215		17.40	6.1018	0.540	-0.2142
10.80	4.3484	0.620	-0.2353		17.40	7.0058	0.620	-0.2346
10.80	4.7692	0.680	-0.2377		17.40	8.1358	0.720	-0.2821
10.80	4.9095	0.700	-0.2967		17.40	9.7177	0.860	-0.2597
10.80	5.0498	0.720	-0.3355		17.40	11.2997	1.000	0.2757
10.80	6.0317	0.860	-0.3204	0.2396				
10.80	6.4876	0.925	-0.2858		19.80	6.9435	0.540	-0.2126
10.80	6.8032	0.970	-0.2123	0.3594	19.80	7.9721	0.620	-0.2583
10.80	6.9084	0.985	-0.1627		19.80	9.2580	0.720	-0.2874
					X	Y	ETA	CP-UP
13.20	3.4289	0.400	-0.1765	0.2579				CP-LOW
13.20	3.9432	0.460	-0.1944		ETA	Y	X	
13.20	4.6290	0.540	-0.2163	0.2725	0.54	3.7873	10.800	-0.2133
13.20	4.9719	0.580	-0.2223		0.54	4.6290	13.200	-0.2163
13.20	5.3148	0.620	-0.2253	0.2739	0.54	5.2602	15.000	-0.2206
13.20	5.6576	0.660	-0.2395		0.54	6.1018	17.400	-0.2142
13.20	5.8291	0.680	-0.2621		0.54	6.9435	19.800	-0.2126
13.20	6.0005	0.700	-0.2799	0.2646				
13.20	6.1720	0.720	-0.3026		0.62	4.3484	10.800	-0.2215
13.20	6.3434	0.740	-0.2979		0.62	5.3148	13.200	-0.2253
13.20	6.6863	0.780	-0.3085	0.2566	0.62	6.0395	15.000	-0.2277
13.20	7.0292	0.820	-0.3075		0.62	7.0058	17.400	-0.2346
13.20	7.3721	0.860	-0.3088	0.2396	0.62	7.9721	19.800	-0.2583
13.20	7.7150	0.900	-0.2990	0.2615				
13.20	7.9293	0.925	-0.2935	0.2721	0.72	5.0498	10.800	-0.2967
13.20	8.1436	0.950	-0.2825	0.3100	0.72	6.1720	13.200	-0.3026
13.20	8.3150	0.970	-0.2753	0.3290	0.72	7.0136	15.000	-0.3014
13.20	8.4436	0.985	-0.2006	0.3942	0.72	8.1358	17.400	-0.2821
13.20	8.5293	0.995	-0.1006	0.4923	0.72	9.2580	19.800	-0.2874
13.20	8.5722	1.000	0.2770	0.3508				
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.3355
					0.86	7.3721	13.200	-0.3088
15.00	5.2602	0.540	-0.2206		0.86	8.3774	15.000	-0.2781
15.00	6.0395	0.620	-0.2277		0.86	9.7177	17.400	-0.2597
15.00	7.0136	0.720	-0.3014		0.86			0.2114
15.00	8.3774	0.860	-0.2781		1.00	7.0136	10.800	0.1627
15.00	9.7411	1.000	0.2030		1.00	8.5722	13.200	0.2770
					1.00	9.7411	15.000	0.2030
					1.00	10.5204	16.200	0.2376
					1.00	11.2997	17.400	0.2757
					ETA	Y	X	CP-UP
								CP-LOW
BASE PRESSURES								
PORT	CP							
1	-0.4100							
2	-0.3621							
3	-0.3431							
4	-0.2558							

TABLE AII.- Continued

(a) Continued

RUN 8	POINT 188	MACH 1.62	ALPHA 8.010	BETA 0.0	Q(PSF) 453.8	H0(PSF) 1081.7	P(PSF) 247.0	RE/FT(X10-6) 1.994		
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW	
10.80	2.8054	0.400	-0.1491	0.1338	16.20	9.7411	1.000	0.3434		
10.80	3.7873	0.540	-0.1454		17.40	6.1018	0.540	-0.1484	0.1482	
10.80	4.3484	0.620	-0.1457		17.40	7.0058	0.620	-0.1462	0.1468	
10.80	4.7692	0.680	-0.1457	0.1405	17.40	8.1358	0.720	-0.1210	0.1293	
10.80	4.9095	0.700	-0.1602		17.40	9.7177	0.860	-0.1397	0.0836	
10.80	5.0498	0.720	-0.1878		17.40	11.2997	1.000	0.3584		
10.80	6.0317	0.860	-0.2054	0.0864						
10.80	6.4876	0.925	-0.2054		19.80	6.9435	0.540	-0.1400	0.1308	
10.80	6.8032	0.970	-0.1751		19.80	7.9721	0.620	-0.1571	0.1301	
10.80	6.9084	0.985	-0.0568	0.1450	19.80	9.2580	0.720	-0.1314	0.1098	
10.80	7.0136	1.000	0.3089					CP-UP	CP-LOW	
13.20	3.4289	0.400	-0.1189	0.1605						
13.20	3.9432	0.460	-0.1331		ETA	Y	X	CP-UP	CP-LOW	
13.20	4.6290	0.540	-0.1427	0.1757	0.54	3.7873	10.800	-0.1491		
13.20	4.9719	0.580	-0.1432		0.54	4.6290	13.200	-0.1427	0.1757	
13.20	5.3148	0.620	-0.1444	0.1791	0.54	5.2602	15.000	-0.1424		
13.20	5.6576	0.660	-0.1408		0.54	6.1018	17.400	-0.1484	0.1482	
13.20	5.8291	0.680	-0.1405		0.54	6.9435	19.800	-0.1400	0.1308	
13.20	6.0005	0.700	-0.1398	0.1612						
13.20	6.1720	0.720	-0.1444		0.62	4.3484	10.800	-0.1454		
13.20	6.3434	0.740	-0.1448		0.62	5.3148	13.200	-0.1444	0.1791	
13.20	6.6863	0.780	-0.1475	0.1442	0.62	6.0395	15.000	-0.1457		
13.20	7.0292	0.820	-0.1719		0.62	7.0058	17.400	-0.1462	0.1468	
13.20	7.3721	0.860	-0.1775	0.1096	0.62	7.9721	19.800	-0.1571	0.1098	
13.20	7.7150	0.900	-0.1739	0.1118						
13.20	7.9293	0.925	-0.1702	0.1108	0.72	5.0498	10.800	-0.1602		
13.20	8.1436	0.950	-0.1622	0.1079	0.72	6.1720	13.200	-0.1444		
13.20	8.3150	0.970	-0.1406	0.1273	0.72	7.0136	15.000	-0.1331		
13.20	8.4436	0.985	-0.0095	0.1699	0.72	8.1358	17.400	-0.1210	0.1293	
13.20	8.5293	0.995	0.0698	0.3662	0.72	9.2580	19.800	-0.1314	0.1098	
13.20	8.5722	1.000	0.3717	0.3970						
	X	Y	ETA	CP-UP	CP-LOW					
BASE PRESSURES										
	PORT	CP								
1		-0.3804								
2		-0.3256								
3		-0.3053								
4		-0.2490								

TABLE AII.- Continued

(a) Continued

RUN 8	POINT 190	MACH 1.62	ALPHA 9.020	BETA 0.0	Q(PSF) 452.8	H0(PSF) 1079.2	P(PSF) 246.5	RE/FT(X10-6) 1.989	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1644	0.1589	16.20	9.7411	1.000	0.3137	
10.80	3.7873	0.540	-0.1644		17.40	6.1018	0.540	-0.1674	0.1709
10.80	4.3484	0.620	-0.1644		17.40	7.0058	0.620	-0.1706	0.1697
10.80	4.7692	0.680	-0.1674	0.1623	17.40	8.1358	0.720	-0.1494	0.1542
10.80	4.9095	0.700			17.40	9.7177	0.860	-0.1734	0.1155
10.80	5.0498	0.720	-0.1706		17.40	11.2997	1.000	0.3351	
10.80	6.0317	0.860	-0.2311		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.2259	0.1297					
10.80	6.8032	0.970	-0.2014		19.80	6.9435	0.540	-0.1580	0.1511
10.80	6.9084	0.985	-0.1160	0.2146	19.80	7.9721	0.620	-0.1793	0.1520
10.80	7.0136	1.000	0.2714		19.80	9.2580	0.720	-0.1586	0.1310
13.20	3.4289	0.400	-0.1344	0.1838	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1525		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1614	0.2002	0.54	3.7873	10.800	-0.1644	
13.20	4.9719	0.580	-0.1614		0.54	4.6290	13.200	-0.1614	0.2002
13.20	5.3148	0.620	-0.1668	0.2011	0.54	5.2602	15.000	-0.1627	
13.20	5.6576	0.660	-0.1673		0.54	6.1018	17.400	-0.1674	0.1709
13.20	5.8291	0.680	-0.1731		0.54	6.9435	19.800	-0.1580	0.1511
13.20	6.0005	0.700	-0.1629	0.1895	0.62	4.3484	10.800	-0.1644	
13.20	6.1720	0.720	-0.1593		0.62	5.3148	13.200	-0.1668	0.2011
13.20	6.3434	0.740	-0.1621		0.62	6.0395	15.000	-0.1685	
13.20	6.6863	0.780	-0.1758	0.1713	0.62	7.0058	17.400	-0.1706	0.1697
13.20	7.0292	0.820	-0.2177		0.62	7.9721	19.800	-0.1793	0.1310
13.20	7.3721	0.860	-0.1880	0.1442	0.62				
13.20	7.7150	0.900	-0.2129	0.1488					
13.20	7.9293	0.925	-0.2025	0.1580	0.72	5.0498	10.800	-0.1706	
13.20	8.1436	0.950	-0.1859	0.1720	0.72	6.1720	13.200	-0.1593	
13.20	8.3150	0.970	-0.1665	0.1939	0.72	7.0136	15.000	-0.1597	
13.20	8.4436	0.985	-0.0693	0.2419	0.72	8.1358	17.400	-0.1494	0.1542
13.20	8.5293	0.995	0.0340	0.4125	0.72	9.2580	19.800	-0.1586	0.1310
13.20	8.5722	1.000	0.3527	0.3939	0.86	6.0317	10.800	-0.2311	
15.00	5.2602	0.540	-0.1627		0.86	7.3721	13.200	-0.1880	0.1442
15.00	6.0395	0.620	-0.1685		0.86	8.3774	15.000	-0.1984	
15.00	7.0136	0.720	-0.1597		0.86	9.7177	17.400	-0.1734	0.1155
15.00	8.3774	0.860	-0.1984		1.00	7.0136	10.800	0.2714	
15.00	9.7411	1.000	0.2871	CP-LOW	1.00	8.5722	13.200	0.3527	0.3939
X	Y	ETA	CP-UP		1.00	9.7411	15.000	0.2871	
BASE PRESSURES									
PORT	CP				ETA	Y	X	CP-UP	CP-LOW
1	-0.4018								
2	-0.3013								
3	-0.3102								
4	-0.2518								

TABLE AII.- Continued

(a) Continued

RUN 8	POINT 191	MACH 1.62	ALPHA 10.010	BETA 0.0	Q(PSF) 452.6	H0(PSF) 1078.8	P(PSF) 246.4	RE/FT(X10-6) 1.988
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.1842	0.1803	16.20	9.7411	1.000	0.2851
10.80	3.7873	0.540	-0.1803		17.40	6.1018	0.540	-0.1821 0.1970
10.80	4.3484	0.620	-0.1827		17.40	7.0058	0.620	-0.1908 0.1951
10.80	4.7692	0.680		0.1871	17.40	8.1358	0.720	-0.2023 0.1829
10.80	4.9095	0.700	-0.1878		17.40	9.7177	0.860	-0.2065 0.1481
10.80	5.0498	0.720			17.40	11.2997	1.000	0.3151
10.80	6.0317	0.860	-0.2634		X	Y	ETA	CP-UP CP-LOW
10.80	6.4876	0.925	-0.2623	0.1614	19.80	6.9435	0.540	-0.1747 0.1771
10.80	6.8032	0.970	-0.2266		19.80	7.9721	0.620	-0.1990 0.1763
10.80	6.9084	0.985	-0.1541	0.2622	19.80	9.2580	0.720	-0.2131 0.1569
10.80	7.0136	1.000	0.2286		X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.1546	0.2071	ETA	Y	X	CP-UP CP-LOW
13.20	3.9432	0.460	-0.1752		0.54	3.7873	10.800	-0.1842
13.20	4.6290	0.540	-0.1885	0.2242	0.54	4.6290	13.200	-0.1885 0.2242
13.20	4.9719	0.580	-0.1905		0.54	5.2602	15.000	-0.1818
13.20	5.3148	0.620	-0.1917	0.2258	0.54	6.1018	17.400	-0.1821 0.1970
13.20	5.6576	0.660	-0.1930		0.54	6.9435	19.800	-0.1747 0.1771
13.20	5.8291	0.680	-0.1937		X	Y	ETA	CP-UP CP-LOW
13.20	6.0005	0.700	-0.1993	0.2154	0.62	4.3484	10.800	-0.1803
13.20	6.1720	0.720	-0.2213		0.62	5.3148	13.200	-0.1917 0.2258
13.20	6.3434	0.740	-0.2379		0.62	6.0395	15.000	-0.1855
13.20	6.6863	0.780	-0.2627	0.1994	0.62	7.0058	17.400	-0.1908 0.1951
13.20	7.0292	0.820	-0.2519		0.62	7.9721	19.800	-0.1990 0.1569
13.20	7.3721	0.860	-0.2477	0.1778	X	Y	ETA	CP-UP CP-LOW
13.20	7.7150	0.900	-0.2408	0.1844	0.62	8.1358	17.400	-0.2023 0.1829
13.20	7.9293	0.925	-0.2281	0.1958	0.72	9.2580	19.800	-0.2131 0.1569
13.20	8.1436	0.950	-0.2131	0.2278	0.72	10.5204	16.200	-0.2477 0.1778
13.20	8.3150	0.970	-0.2040	0.2377	0.72	11.2997	17.400	-0.2221 0.1481
13.20	8.4436	0.985	-0.1187	0.2922	0.72	12.5000	19.800	-0.2065 0.1481
13.20	8.5293	0.995	-0.0230	0.4423	0.72	13.200	10.800	-0.2286
13.20	8.5722	1.000	0.3274	0.3791	0.86	13.200	13.200	-0.2477 0.1778
X	Y	ETA	CP-UP	CP-LOW	0.86	13.200	13.200	-0.2221
BASE PRESSURES								
PORT	CP				1.00	7.0136	10.800	0.2286
1	-0.4125				1.00	8.5722	13.200	0.3274 0.3791
2	-0.3172				1.00	9.7411	15.000	0.2608
3	-0.3135				1.00	10.5204	16.200	0.2851
4	-0.2560				1.00	11.2997	17.400	0.3151
					ETA	Y	X	CP-UP CP-LOW

TABLE AII.- Continued

(a) Continued

RUN 8	POINT 192	MACH 1.62	ALPHA 10.010	BETA 0.0	Q(PSF) 457.5	H0(PSF) 1090.5	P(PSF) 249.1	RE/FT(X10-6) 2.010	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1857	0.1730	16.20	9.7411	1.000	0.2767	
10.80	3.7873	0.540	-0.1850		17.40	6.1018	0.540	-0.1846	0.1881
10.80	4.3484	0.620	-0.1870		17.40	7.0058	0.620	-0.1940	0.1889
10.80	4.7692	0.680		0.1792	17.40	8.1358	0.720	-0.2024	0.1747
10.80	4.9095	0.700	-0.1908		17.40	9.7177	0.860	-0.2058	0.1405
10.80	5.0498	0.720	-0.2672		17.40	11.2997	1.000	0.3055	
10.80	6.0317	0.860	-0.2632	0.1580					
10.80	6.4876	0.925	-0.2309		19.80	6.9435	0.540	-0.1814	0.1697
10.80	6.8032	0.970	-0.1589	0.2572	19.80	7.9721	0.620	-0.2018	0.1694
10.80	6.9084	0.985			19.80	9.2580	0.720	-0.2229	0.1499
10.80	7.0136	1.000	0.2241		X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1531	0.2019					
13.20	3.9432	0.460	-0.1776		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1821	0.2149	0.54	3.7873	10.800	-0.1857	
13.20	4.9719	0.580	-0.1913		0.54	4.6290	13.200	-0.1821	0.2149
13.20	5.3148	0.620	-0.1819	0.2183	0.54	5.2602	15.000	-0.1857	
13.20	5.6576	0.660	-0.1825		0.54	6.1018	17.400	-0.1846	0.1881
13.20	5.8291	0.680	-0.1888		0.54	6.9435	19.800	-0.1814	0.1697
13.20	6.0005	0.700	-0.1906	0.2011					
13.20	6.1720	0.720	-0.1909		0.62	4.3484	10.800	-0.1850	
13.20	6.3434	0.740	-0.2003		0.62	5.3148	13.200	-0.1819	0.2183
13.20	6.6863	0.780	-0.2505	0.1931	0.62	6.0395	15.000	-0.1902	
13.20	7.0292	0.820	-0.2588		0.62	7.0058	17.400	-0.1940	0.1889
13.20	7.3721	0.860	-0.2266	0.1717	0.62	7.9721	19.800	-0.2018	0.1499
13.20	7.7150	0.900	-0.2430	0.1810					
13.20	7.9293	0.925	-0.2368	0.1910	0.72	5.0498	10.800	-0.1908	
13.20	8.1436	0.950	-0.2170	0.2266	0.72	6.1720	13.200	-0.1909	
13.20	8.3150	0.970	-0.2088	0.2359	0.72	7.0136	15.000	-0.2052	
13.20	8.4436	0.985	-0.1256	0.2880	0.72	8.1358	17.400	-0.2024	0.1747
13.20	8.5293	0.995	-0.0231	0.4340	0.72	9.2580	19.800	-0.2229	0.1499
13.20	8.5722	1.000	0.3158	0.3664					
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.2672	
					0.86	7.3721	13.200	-0.2266	0.1717
					0.86	8.3774	15.000	-0.2331	
					0.86	9.7177	17.400	-0.2058	0.1405
					1.00	7.0136	10.800	0.2241	
					1.00	8.5722	13.200	0.3158	0.3664
					1.00	9.7411	15.000	0.2517	
					1.00	10.5204	16.200	0.2767	
					1.00	11.2997	17.400	0.3055	
					ETA	Y	X	CP-UP	CP-LOW
BASE PRESSURES									
PORT CP									
1	-0.4157								
2	-0.3253								
3	-0.3167								
4	-0.2583								

TABLE AII.- Continued

(a) Continued

RUN 8	POINT 193	MACH 1.62	ALPHA 11.030	BETA 0.0	Q(PSF) 453.3	H0(PSF) 1080.3	P(PSF) 246.7	RE/FT(X10-6) 1.991	
X	Y	ETA		CP-UP	CP-LOW	X	Y	ETA	CP-UP
10.80	2.8054	0.400		-0.1992	0.2043	16.20	9.7411	1.000	0.2564
10.80	3.7873	0.540		-0.2226		17.40	6.1018	0.540	-0.2000
10.80	4.3484	0.620		-0.2039		17.40	7.0058	0.620	-0.2100
10.80	4.7692	0.680		-0.2125		17.40	8.1358	0.720	-0.2605
10.80	4.9095	0.700		-0.2229		17.40	9.7177	0.860	-0.2347
10.80	5.0498	0.720		-0.3097		17.40	11.2997	1.000	0.2964
10.80	6.0317	0.860		-0.3042	0.2015				
10.80	6.4876	0.925		-0.2579		19.80	6.9435	0.540	-0.1952
10.80	6.8032	0.970		-0.1868	0.3116	19.80	7.9721	0.620	-0.2218
10.80	6.9084	0.985		-0.1917		19.80	9.2580	0.720	-0.2627
10.80	7.0136	1.000				X	Y	ETA	CP-UP
									CP-LOW
13.20	3.4289	0.400	-0.1641	0.2335					
13.20	3.9432	0.460	-0.1813		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1983	0.2506	0.54	3.7873	10.800	-0.1992	
13.20	4.9719	0.580	-0.2041		0.54	4.6290	13.200	-0.1983	0.2506
13.20	5.3148	0.620	-0.2053	0.2493	0.54	5.2602	15.000	-0.2038	
13.20	5.6576	0.660	-0.2073		0.54	6.1018	17.400	-0.2000	0.2186
13.20	5.8291	0.680	-0.2093		0.54	6.9435	19.800	-0.1952	0.2030
13.20	6.0005	0.700	-0.2254	0.2406					
13.20	6.1720	0.720	-0.2506		0.62	4.3484	10.800	-0.2226	
13.20	6.3434	0.740	-0.2499		0.62	5.3148	13.200	-0.2053	0.2493
13.20	6.6863	0.780	-0.2771	0.2285	0.62	6.0395	15.000	-0.2050	
13.20	7.0292	0.820	-0.2790		0.62	7.0058	17.400	-0.2100	0.2191
13.20	7.3721	0.860	-0.2701	0.2119	0.62	7.9721	19.800	-0.2218	0.1804
13.20	7.7150	0.900	-0.2735	0.2247					
13.20	7.9293	0.925	-0.2580	0.2377	0.72	5.0498	10.800	-0.2229	
13.20	8.1436	0.950	-0.2497	0.2706	0.72	6.1720	13.200	-0.2506	
13.20	8.3150	0.970	-0.2421	0.2908	0.72	7.0136	15.000	-0.2685	
13.20	8.4436	0.985	-0.1640	0.3553	0.72	8.1358	17.400	-0.2605	0.2102
13.20	8.5293	0.995	-0.0654	0.4701	0.72	9.2580	19.800	-0.2627	0.1804
13.20	8.5722	1.000	0.3053	0.3696					
	X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.3097
						0.86	7.3721	13.200	-0.2701
						0.86	8.3774	15.000	-0.2570
						0.86	9.7177	17.400	-0.2347
						1.00	7.0136	10.800	0.1917
						1.00	8.5722	13.200	0.3053
						1.00	9.7411	15.000	0.2297
						1.00	10.5204	16.200	0.2564
						1.00	11.2997	17.400	0.2964
						ETA	Y	X	CP-UP
									CP-LOW
BASE PRESSURES									
PORT	CP								
1	-0.4109								
2	-0.3262								
3	-0.3255								
4	-0.2569								

TABLE AII.- Continued

(a) Concluded

RUN 8	POINT 194	MACH 1.62	ALPHA 12.030	BETA 0.0	Q(PSF) 452.6	H0(PSF) 1078.6	P(PSF) 246.3	RE/FT(X10-6) 1.988	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.2137	0.2291	16.20	9.7411	1.000	0.2402	
10.80	3.7873	0.540			17.40	6.1018	0.540	-0.2168	0.2427
10.80	4.3484	0.620	-0.2237		17.40	7.0058	0.620	-0.2354	0.2451
10.80	4.7692	0.680	-0.2404		17.40	8.1358	0.720	-0.2876	0.2349
10.80	4.9095	0.700		0.2389	17.40	9.7177	0.860	-0.2636	0.2139
10.80	5.0498	0.720	-0.3017		17.40	11.2997	1.000	0.2751	
10.80	6.0317	0.860	-0.3381		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.3203	0.2382	19.80	6.9435	0.540	-0.2147	0.2296
10.80	6.8032	0.970	-0.2803		19.80	7.9721	0.620	-0.2573	0.2282
10.80	6.9084	0.985	-0.2085	0.3609	19.80	9.2580	0.720	-0.2865	0.2063
10.80	7.0136	1.000	0.1615		X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1790	0.2612	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.2156		0.54	3.7873	10.800	-0.2137	
13.20	4.6290	0.540	-0.2282	0.2749	0.54	4.6290	13.200	-0.2282	0.2749
13.20	4.9719	0.580	-0.2368		0.54	5.2602	15.000	-0.2207	
13.20	5.3148	0.620	-0.2502	0.2749	0.54	6.1018	17.400	-0.2168	0.2427
13.20	5.6576	0.660	-0.2619		0.54	6.9435	19.800	-0.2147	0.2296
13.20	5.8291	0.680	-0.2782		0.62	4.3484	10.800	-0.2237	
13.20	6.0005	0.700	-0.3015	0.2652	0.62	5.3148	13.200	-0.2502	0.2749
13.20	6.1720	0.720	-0.3141		0.62	6.0395	15.000	-0.2328	
13.20	6.3434	0.740	-0.3142		0.62	7.0058	17.400	-0.2354	0.2451
13.20	6.6863	0.780	-0.3153	0.2569	0.62	7.9721	19.800	-0.2573	0.2063
13.20	7.0292	0.820	-0.3108		0.86	6.0317	10.800	-0.3381	
13.20	7.3721	0.860	-0.2872	0.2428	0.86	7.3721	13.200	-0.3141	
13.20	7.7150	0.900	-0.2998	0.2634	0.86	8.3774	15.000	-0.3060	
13.20	7.9293	0.925	-0.2894	0.2755	0.86	9.7177	17.400	-0.2876	0.2349
13.20	8.1436	0.950	-0.2832	0.3133	0.86	9.2580	19.800	-0.2865	0.2063
13.20	8.3150	0.970	-0.2778	0.3350	0.86	10.5204	16.200	0.2402	
13.20	8.4436	0.985	-0.2037	0.3974	0.86	11.2997	17.400	0.2751	
13.20	8.5293	0.995	-0.1079	0.4940	X	Y	ETA	CP-UP	CP-LOW
13.20	8.5722	1.000	0.2798	0.3482	1.00	7.0136	10.800	0.1615	
15.00	5.2602	0.540	-0.2207		1.00	8.5722	13.200	0.2798	0.3482
15.00	6.0395	0.620	-0.2328		1.00	9.7411	15.000	0.2018	
15.00	7.0136	0.720	-0.3060		1.00	10.5204	16.200	0.2402	
15.00	8.3774	0.860	-0.2799		1.00	11.2997	17.400	0.2751	
15.00	9.7411	1.000	0.2018						
	X	Y	ETA	CP-UP	CP-LOW				
BASE PRESSURES									
PORt	CP								
1	-0.4103								
2	-0.3622								
3	-0.3453								
4	-0.2567								

TABLE AII.- Continued

(b) $\delta_c = -5^\circ$

RUN 6	POINT 125	MACH 1.62	ALPHA 7.990	BETA 0.0	Q(PSF) 455.1	H0(PSF) 1084.7	P(PSF) 247.7	RE/FT(X10-6) 1.999		
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW	
10.80	2.8054	0.400	-0.1531	0.1421	16.20	9.7411	1.000	0.3447		
10.80	3.7873	0.540	-0.1635		17.40	6.1018	0.540	-0.1426	0.1495	
10.80	4.3484	0.620	-0.1620		17.40	7.0058	0.620	-0.1478	0.1483	
10.80	4.7692	0.680		0.1484	17.40	8.1358	0.720	-0.1263	0.1301	
10.80	4.9095	0.700	-0.1575		17.40	9.7177	0.860	-0.1275	0.0806	
10.80	5.0498	0.720	-0.1879		17.40	11.2997	1.000	0.3668		
10.80	6.0317	0.860	-0.1849	0.1015	X	Y	ETA	CP-UP	CP-LOW	
10.80	6.4876	0.925			ETA					
10.80	6.8032	0.970	-0.1676		0.54	3.7873	10.800	-0.1531		
10.80	6.9084	0.985	-0.0507	0.1552	0.54	4.6290	13.200	-0.1463	0.1801	
10.80	7.0136	1.000	0.3151		0.54	5.2602	15.000	-0.1452		
10.80					0.54	6.1018	17.400	-0.1426	0.1495	
10.80					0.54	6.9435	19.800	-0.1358	0.1322	
13.20	3.4289	0.400	-0.1151	0.1639	X	Y	ETA	CP-UP	CP-LOW	
13.20	3.9432	0.460	-0.1223		ETA					
13.20	4.6290	0.540	-0.1463	0.1801	0.54					
13.20	4.9719	0.580	-0.1535		0.54	3.7873	10.800	-0.1531		
13.20	5.3148	0.620	-0.1635	0.1811	0.54	4.6290	13.200	-0.1463	0.1801	
13.20	5.6576	0.660	-0.1508		0.54	5.2602	15.000	-0.1452		
13.20	5.8291	0.680	-0.1509		0.54	6.1018	17.400	-0.1426	0.1495	
13.20	6.0005	0.700	-0.1426	0.1648	0.54	6.9435	19.800	-0.1358	0.1322	
13.20	6.1720	0.720	-0.1368		0.62	4.3484	10.800	-0.1635		
13.20	6.3434	0.740	-0.1414		0.62	5.3148	13.200	-0.1635	0.1811	
13.20	6.6863	0.780	-0.1615	0.1450	0.62	6.0395	15.000	-0.1494		
13.20	7.0292	0.820	-0.1754		0.62	7.0058	17.400	-0.1478	0.1483	
13.20	7.3721	0.860	-0.1718	0.1128	0.62	7.9721	19.800	-0.1510	0.1081	
13.20	7.7150	0.900	-0.1670	0.1119	X	Y	ETA	CP-UP	CP-LOW	
13.20	7.9293	0.925	-0.1584	0.1138	0.72	5.0498	10.800	-0.1575		
13.20	8.1436	0.950	-0.1562	0.1198	0.72	6.1720	13.200	-0.1368		
13.20	8.3150	0.970	-0.1363	0.1361	0.72	7.0136	15.000	-0.1409		
13.20	8.4436	0.985	-0.0004	0.1741	0.72	8.1358	17.400	-0.1263	0.1301	
13.20	8.5293	0.995	0.0807	0.3690	0.72	9.2580	19.800	-0.1337	0.1081	
13.20	8.5722	1.000	0.3800	0.4054	0.86	6.0317	10.800	-0.1879		
15.00	5.2602	0.540	-0.1452		0.86	7.3721	13.200	-0.1718	0.1128	
15.00	6.0395	0.620	-0.1494		0.86	8.3774	15.000	-0.1478		
15.00	7.0136	0.720	-0.1409		0.86	9.7177	17.400	-0.1275	0.0806	
15.00	8.3774	0.860	-0.1478		X	Y	ETA	CP-UP	CP-LOW	
15.00	9.7411	1.000	0.3261		1.00	7.0136	10.800	0.3151		
15.00					1.00	8.5722	13.200	0.3800	0.4054	
					1.00	9.7411	15.000	0.3261		
					1.00	10.5204	16.200	0.3447		
					1.00	11.2997	17.400	0.3668		
					X	Y	ETA	CP-UP	CP-LOW	
BASE PRESSURES										
PORT	CP									
1	-0.3805									
2	-0.3274									
3	-0.3043									
4	-0.2479									

TABLE AII.- Continued

(b) Continued

RUN 6	POINT 126	MACH 1.62	ALPHA 6.010	BETA 0.0	Q(PSF) 455.4	H0(PSF) 1085.3	P(PSF) 247.9	RE/FT(X10-6) 2.000
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP
10.80	2.8054	0.400	-0.1154	0.1031	16.20	9.7411	1.000	0.3840
10.80	3.7873	0.540	-0.1360		17.40	6.1018	0.540	-0.1039
10.80	4.3484	0.620	-0.1151		17.40	7.0058	0.620	-0.1013
10.80	4.7692	0.680	0.1076		17.40	8.1358	0.720	-0.0726
10.80	4.9095	0.700	-0.1085		17.40	9.7177	0.860	-0.0372
10.80	5.0498	0.720	-0.0848		17.40	11.2997	1.000	0.3940
10.80	6.0317	0.860	-0.1000	0.0163				
10.80	6.4876	0.925	-0.1028		19.80	6.9435	0.540	-0.0970
10.80	6.8032	0.970	0.0102	0.0284	19.80	7.9721	0.620	-0.1039
10.80	6.9084	0.985	0.3688		19.80	9.2580	0.720	-0.0781
10.80	7.0136	1.000			X	Y	ETA	CP-UP
								CP-LOW
13.20	3.4289	0.400	-0.0834	0.1222				
13.20	3.9432	0.460	-0.0974		ETA	Y	X	CP-UP
13.20	4.6290	0.540	-0.1109	0.1365	0.54	3.7873	10.800	-0.1154
13.20	4.9719	0.580	-0.1143		0.54	4.6290	13.200	-0.1109
13.20	5.3148	0.620	-0.1140	0.1375	0.54	5.2602	15.000	0.1365
13.20	5.6576	0.660	-0.1036		0.54	6.1018	17.400	-0.1039
13.20	5.8291	0.680	-0.1058		0.54	6.9435	19.800	0.1045
13.20	6.0005	0.700	-0.0990	0.1179				
13.20	6.1720	0.720	-0.0823		0.62	4.3484	10.800	-0.1360
13.20	6.3434	0.740	-0.0896		0.62	5.3148	13.200	-0.1140
13.20	6.6863	0.780	-0.0921	0.0943	0.62	6.0395	15.000	0.1375
13.20	7.0292	0.820	-0.0778		0.62	7.0058	17.400	-0.1062
13.20	7.3721	0.860	-0.0744	0.0442	0.62	7.9721	19.800	-0.1013
13.20	7.7150	0.900	-0.0800	0.0328				0.1036
13.20	7.9293	0.925	-0.0709	0.0254	0.72	5.0498	10.800	-0.1085
13.20	8.1436	0.950	-0.0590	-0.0183	0.72	6.1720	13.200	-0.0823
13.20	8.3150	0.970	-0.0697	0.0074	0.72	7.0136	15.000	-0.0921
13.20	8.4436	0.985	0.0935	0.0087	0.72	8.1358	17.400	-0.0726
13.20	8.5293	0.995	0.1661	0.2748	0.72	9.2580	19.800	0.0843
13.20	8.5722	1.000	0.4109	0.4083				0.0603
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.0848
					0.86	7.3721	13.200	-0.0744
					0.86	8.3774	15.000	0.0442
					0.86	9.7177	17.400	-0.0613
15.00	5.2602	0.540	-0.1048		1.00	7.0136	10.800	0.3688
15.00	6.0395	0.620	-0.1062		1.00	8.5722	13.200	0.4109
15.00	7.0136	0.720	-0.0921		1.00	9.7411	15.000	0.4083
15.00	8.3774	0.860	-0.0613		1.00	10.5204	16.200	0.3716
15.00	9.7411	1.000	0.3716		1.00	11.2997	17.400	0.3840
					ETA	Y	X	CP-UP
								CP-LOW
BASE PRESSURES								
PORT	CP							
1	-0.3768							
2	-0.2783							
3	-0.3075							
4	-0.2480							

TABLE AII.- Continued

(b) Continued

RUN 6	POINT 127	MACH 1.62	ALPHA 4.010	BETA 0.0	Q(PSF) 455.2	H0(PSF) 1084.9	P(PSF) 247.8	RE/FT(X10-6) 2.000	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.0829	0.0698	16.20	9.7411	1.000	0.4098	
10.80	3.7873	0.540			17.40	6.1018	0.540	-0.0624	0.0630
10.80	4.3484	0.620	-0.0721		17.40	7.0058	0.620	-0.0519	0.0611
10.80	4.7692	0.680	-0.0715		17.40	8.1358	0.720	-0.0091	0.0385
10.80	4.9095	0.700		0.0620	17.40	9.7177	0.860	0.0318	-0.0403
10.80	5.0498	0.720	-0.0586		17.40	11.2997	1.000	0.4132	
10.80	6.0317	0.860	-0.0125		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.0030	-0.1000					
10.80	6.8032	0.970	0.0005		19.80	6.9435	0.540	-0.0534	0.0485
10.80	6.9084	0.985	0.1050	-0.0965	19.80	7.9721	0.620	-0.0528	0.0435
10.80	7.0136	1.000	0.4085		19.80	9.2580	0.720	-0.0214	0.0178
13.20	3.4289	0.400	-0.0517	0.0843	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.0649						
13.20	4.6290	0.540	-0.0726	0.0953	0.54	3.7873	10.800	-0.0829	
13.20	4.9719	0.580	-0.0733		0.54	4.6290	13.200	-0.0726	0.0953
13.20	5.3148	0.620	-0.0682	0.0946	0.54	5.2602	15.000	-0.0653	
13.20	5.6576	0.660	-0.0559		0.54	6.1018	17.400	-0.0624	0.0630
13.20	5.8291	0.680	-0.0562		0.54	6.9435	19.800	-0.0534	0.0485
13.20	6.0005	0.700	-0.0464	0.0723	0.62	4.3484	10.800	-0.0721	
13.20	6.1720	0.720	-0.0453		0.62	5.3148	13.200	-0.0682	0.0946
13.20	6.3434	0.740	-0.0415		0.62	6.0395	15.000	-0.0604	
13.20	6.6863	0.780	-0.0348	0.0370	0.62	7.0058	17.400	-0.0519	0.0611
13.20	7.0292	0.820	-0.0225		0.62	7.9721	19.800	-0.0528	0.0178
13.20	7.3721	0.860	-0.0135	-0.0298	0.62				
13.20	7.7150	0.900	0.0088	-0.0881					
13.20	7.9293	0.925	0.0228	-0.1228	0.72	5.0498	10.800	-0.0586	
13.20	8.1436	0.950	0.0434	-0.1427	0.72	6.1720	13.200	-0.0453	
13.20	8.3150	0.970	0.0553	-0.1475	0.72	7.0136	15.000	-0.0374	
13.20	8.4436	0.985	0.1921	-0.1521	0.72	8.1358	17.400	-0.0091	0.0385
13.20	8.5293	0.995	0.2593	0.1853	0.72	9.2580	19.800	-0.0214	0.0178
13.20	8.5722	1.000	0.4265	0.4052	0.86	6.0317	10.800	-0.0125	
15.00	5.2602	0.540	-0.0653		0.86	7.3721	13.200	-0.0135	-0.0298
15.00	6.0395	0.620	-0.0604		0.86	8.3774	15.000	0.0062	
15.00	7.0136	0.720	-0.0374		0.86	9.7177	17.400	0.0318	-0.0403
15.00	8.3774	0.860	0.0062		1.00	7.0136	10.800	0.4085	
15.00	9.7411	1.000	0.4045		1.00	8.5722	13.200	0.4265	0.4052
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.4045	
BASE PRESSURES									
PORT	CP				1.00	10.5204	16.200	0.4098	
1	-0.3704				1.00	11.2997	17.400	0.4132	
2	-0.2988								
3	-0.3075								
4	-0.2548								

TABLE AII.- Continued

(b) Continued

RUN 6	POINT 128	MACH 1.62	ALPHA 2.910	BETA 0.0	Q(PSF) 455.6	H(PSF) 1085.9	P(PSF) 248.0	RE/FT(X10-6) 2.002
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.0473	0.0371	16.20	9.7411	1.000	0.4234
10.80	3.7873	0.540	-0.0373		17.40	6.1018	0.540	-0.0224 0.0235
10.80	4.3484	0.620	-0.0232		17.40	7.0058	0.620	-0.0043 0.0207
10.80	4.7692	0.680	0.0164		17.40	8.1358	0.720	0.0378 -0.0016
10.80	4.9095	0.700	-0.0092		17.40	9.7177	0.860	0.0981 -0.2194
10.80	5.0498	0.720	0.0558		17.40	11.2997	1.000	0.4187
10.80	6.0317	0.860	0.0781	-0.2179				
10.80	6.4876	0.925			19.80	6.9435	0.540	-0.0142 0.0087
10.80	6.8032	0.970	0.0975		19.80	7.9721	0.620	-0.0043 0.0033
10.80	6.9084	0.985	0.1823	-0.2105	19.80	9.2580	0.720	0.0340 -0.0256
10.80	7.0136	1.000	0.4251		X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.0178	0.0473				
13.20	3.9432	0.460	-0.0315		ETA	Y	X	CP-UP CP-LOW
13.20	4.6290	0.540	-0.0350	0.0559	0.54	3.7873	10.800	-0.0473
13.20	4.9719	0.580	-0.0336		0.54	4.6290	13.200	-0.0350 0.0559
13.20	5.3148	0.620	-0.0290	0.0534	0.54	5.2602	15.000	-0.0235
13.20	5.6576	0.660	-0.0098		0.54	6.1018	17.400	-0.0224 0.0235
13.20	5.8291	0.680	0.0077		0.54	6.9435	19.800	-0.0142 0.0087
13.20	6.0005	0.700	-0.0025	0.0226				
13.20	6.1720	0.720	-0.0034		0.62	4.3484	10.800	-0.0373
13.20	6.3434	0.740	0.0178		0.62	5.3148	13.200	-0.0290 0.0534
13.20	6.6863	0.780	0.0227	-0.0189	0.62	6.0395	15.000	-0.0090
13.20	7.0292	0.820	0.0385		0.62	7.0058	17.400	-0.0043 0.0207
13.20	7.3721	0.860	0.0511	-0.1621	0.62	7.9721	19.800	-0.0043 -0.0256
13.20	7.7150	0.900	0.0776	-0.2238				
13.20	7.9293	0.925	0.0968	-0.2408	0.72	5.0498	10.800	-0.0092
13.20	8.1436	0.950	0.1213	-0.2568	0.72	6.1720	13.200	-0.0034
13.20	8.3150	0.970	0.1663	-0.2683	0.72	7.0136	15.000	0.0150
13.20	8.4436	0.985	0.2732	-0.2515	0.72	8.1358	17.400	0.0378 -0.0016
13.20	8.5293	0.995	0.3386	0.1088	0.72	9.2580	19.800	0.0340 -0.0256
13.20	8.5722	1.000	0.4217	0.3843				
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	0.0558
15.00	5.2602	0.540	-0.0235		0.86	7.3721	13.200	0.0511 -0.1621
15.00	6.0395	0.620	-0.0090		0.86	8.3774	15.000	0.0753
15.00	7.0136	0.720	0.0150		0.86	9.7177	17.400	0.0981 -0.2194
15.00	8.3774	0.860	0.0753		1.00	7.0136	10.800	0.4251
15.00	9.7411	1.000	0.4203		1.00	8.5722	13.200	0.4217 0.3843
					1.00	9.7411	15.000	0.4203
					1.00	10.5204	16.200	0.4234
					1.00	11.2997	17.400	0.4187
					ETA	Y	X	CP-UP CP-LOW
BASE PRESSURES								
PORT	CP							
1	-0.3924							
2	-0.3192							
3	-0.3095							
4	-0.2620							

TABLE AII.- Continued

(b) Continued

RUN 6	POINT 129	MACH 1.62	ALPHA 9.030	BETA 0.0	Q(PSF) 455.6	H0(PSF) 1085.8	P(PSF) 248.0	RE/FT(X10-6) 2.001
	X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA
10.80	2.8054	0.400	0.400	-0.1716	0.1652	16.20	9.7411	1.000
10.80	3.7873	0.540	0.540	-0.1716		17.40	6.1018	0.540
10.80	4.3484	0.620	0.620	-0.1876		17.40	7.0058	0.620
10.80	4.7692	0.680	0.680	-0.1836		17.40	8.1358	0.720
10.80	4.9095	0.700	0.700		0.1712	17.40	9.7177	0.860
10.80	5.0498	0.720	0.720	-0.1821		17.40	11.2997	1.000
10.80	6.0317	0.860	0.860	-0.2204		X	Y	CP-UP
10.80	6.4876	0.925	0.925	-0.2209	0.1393		ETA	CP-LOW
10.80	6.8032	0.970	0.970	-0.1902		19.80	6.9435	0.540
10.80	6.9084	0.985	0.985	-0.1024	0.2231	19.80	7.9721	0.620
10.80	7.0136	1.000	1.000	0.2779		19.80	9.2580	0.720
	X	Y	ETA	CP-UP	CP-LOW	X	Y	CP-UP
13.20	3.4289	0.400	0.400	-0.1325	0.1864		CP-UP	CP-LOW
13.20	3.9432	0.460	0.460	-0.1544		ETA	Y	X
13.20	4.6290	0.540	0.540	-0.1666	0.2026	0.54	3.7873	10.800
13.20	4.9719	0.580	0.580	-0.1754		0.54	4.6290	13.200
13.20	5.3148	0.620	0.620	-0.1786	0.2028	0.54	5.2602	15.000
13.20	5.6576	0.660	0.660	-0.1721		0.54	6.1018	17.400
13.20	5.8291	0.680	0.680	-0.1765		0.54	6.9435	19.800
13.20	6.0005	0.700	0.700	-0.1805	0.1870		CP-UP	CP-LOW
13.20	6.1720	0.720	0.720	-0.1768		0.62	4.3484	10.800
13.20	6.3434	0.740	0.740	-0.1796		0.62	5.3148	13.200
13.20	6.6863	0.780	0.780	-0.2131	0.1753	0.62	6.0395	15.000
13.20	7.0292	0.820	0.820	-0.2099		0.62	7.0058	17.400
13.20	7.3721	0.860	0.860	-0.2087	0.1502	0.62	7.9721	19.800
13.20	7.7150	0.900	0.900	-0.2012	0.1538		CP-UP	CP-LOW
13.20	7.9293	0.925	0.925	-0.1966	0.1617	0.72	5.0498	10.800
13.20	8.1436	0.950	0.950	-0.1819	0.1778	0.72	6.1720	13.200
13.20	8.3150	0.970	0.970	-0.1525	0.1934	0.72	7.0136	15.000
13.20	8.4436	0.985	0.985	-0.0597	0.2453	0.72	8.1358	17.400
13.20	8.5293	0.995	0.995	0.0254	0.4163	0.72	9.2580	19.800
13.20	8.5722	1.000	1.000	0.3586	0.3984		CP-UP	CP-LOW
	X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800
						0.86	7.3721	13.200
						0.86	8.3774	15.000
						0.86	9.7177	17.400
						1.00	7.0136	10.800
						1.00	8.5722	13.200
						1.00	9.7411	15.000
						1.00	10.5204	16.200
						1.00	11.2997	17.400
						ETA	Y	CP-UP
							X	CP-LOW
	BASE PRESSURES							
	PORT	CP						
1		-0.3980						
2		-0.3029						
3		-0.3093						
4		-0.2503						

TABLE AII.- Continued

(b) Continued

RUN 6	POINT 130	MACH 1.62	ALPHA 10.020	BETA 0.0	Q(PSF) 455.5	H0(PSF) 1085.7	P(PSF) 248.0	RE/FT(X10-6) 2.001	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400		0.1882	16.20	9.7411	1.000	0.2901	
10.80	3.7873	0.540	-0.1931		17.40	6.1018	0.540	-0.1822	0.1976
10.80	4.3484	0.620	-0.2007		17.40	7.0058	0.620	-0.1972	0.1966
10.80	4.7692	0.680	-0.2050		17.40	8.1358	0.720	-0.2255	0.1812
10.80	4.9095	0.700		0.1941	17.40	9.7177	0.860	-0.2006	0.1469
10.80	5.0498	0.720	-0.2144		17.40	11.2997	1.000	0.3128	
10.80	6.0317	0.860	-0.2533		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.2440	0.1779	19.80	6.9435	0.540	-0.1771	0.1806
10.80	6.8032	0.970	-0.2158		19.80	7.9721	0.620	-0.2011	0.1791
10.80	6.9084	0.985	-0.1485	0.2740	19.80	9.2580	0.720	-0.2252	0.1567
10.80	7.0136	1.000	0.2453		X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1475	0.2117	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1641		0.54	3.7873	10.800	-0.1931	
13.20	4.6290	0.540	-0.1874	0.2223	0.54	4.6290	13.200	-0.1874	0.2223
13.20	4.9719	0.580	-0.1977		0.54	5.2602	15.000	-0.1863	
13.20	5.3148	0.620	-0.1992	0.2273	0.54	6.1018	17.400	-0.1822	0.1976
13.20	5.6576	0.660	-0.2019		0.54	6.9435	19.800	-0.1771	0.1806
13.20	5.8291	0.680	-0.1990		X	Y	ETA	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.2143	0.2155	0.62	4.3484	10.800	-0.2007	
13.20	6.1720	0.720	-0.2247		0.62	5.3148	13.200	-0.1992	0.2273
13.20	6.3434	0.740	-0.2475		0.62	6.0395	15.000	-0.1975	
13.20	6.6863	0.780	-0.2426	0.1990	0.62	7.0058	17.400	-0.1972	0.1966
13.20	7.0292	0.820	-0.2420		0.62	7.9721	19.800	-0.2011	0.1567
13.20	7.3721	0.860	-0.2415	0.1802	0.62				
13.20	7.7150	0.900	-0.2344	0.1940	0.72	5.0498	10.800	-0.2144	
13.20	7.9293	0.925	-0.2242	0.2029	0.72	6.1720	13.200	-0.2247	
13.20	8.1436	0.950	-0.2068	0.2350	0.72	7.0136	15.000	-0.2397	
13.20	8.3150	0.970	-0.1922	0.2493	0.72	8.1358	17.400	-0.2255	0.1812
13.20	8.4436	0.985	-0.1050	0.3002	0.72	9.2580	19.800	-0.2252	0.1567
13.20	8.5293	0.995	-0.0122	0.4501	0.72				
13.20	8.5722	1.000	0.3430	0.3878	0.86	6.0317	10.800	-0.2533	
15.00	5.2602	0.540	-0.1863		0.86	7.3721	13.200	-0.2415	0.1802
15.00	6.0395	0.620	-0.1975		0.86	8.3774	15.000	-0.2238	
15.00	7.0136	0.720	-0.2397		0.86	9.7177	17.400	-0.2006	0.1469
15.00	8.3774	0.860	-0.2238		1.00	7.0136	10.800	0.2453	
15.00	9.7411	1.000	0.2650		1.00	8.5722	13.200	0.3430	0.3878
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.2650	
BASE PRESSURES									
PORT	CP				1.00	10.5204	16.200	0.2901	
1	-0.4141				1.00	11.2997	17.400	0.3128	
2	-0.3122				ETA	Y	X	CP-UP	CP-LOW
3	-0.3136								
4	-0.2546								

TABLE AII.- Continued

(b) Continued

RUN 6	POINT 131	MACH 1.62	ALPHA 11.020	BETA 0.0	Q(PSF) 455.4	H(PSF) 1085.4	P(PSF) 247.9	RE/FT(X10-6) 2.001
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.2117	0.2113	16.20	9.7411	1.000	0.2623
10.80	3.7873	0.540	-0.2330		17.40	6.1018	0.540	-0.1962 0.2224
10.80	4.3484	0.620	-0.2335		17.40	7.0058	0.620	-0.2270 0.2222
10.80	4.7692	0.680	-0.2196		17.40	8.1358	0.720	-0.2473 0.2101
10.80	4.9095	0.700	-0.2760		17.40	9.7177	0.860	-0.2256 0.1823
10.80	5.0498	0.720	-0.2860		17.40	11.2997	1.000	0.3000
10.80	6.0317	0.860	-0.2107		X	Y	ETA	CP-UP CP-LOW
10.80	6.4876	0.925	-0.2753		19.80	6.9435	0.540	-0.1949 0.2055
10.80	6.8032	0.970	-0.2460		19.80	7.9721	0.620	-0.2351 0.2046
10.80	6.9084	0.985	-0.1954	0.3236	19.80	9.2580	0.720	-0.2549 0.1850
10.80	7.0136	1.000	0.2085		X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.1612	0.2365	ETA	Y	X	CP-UP CP-LOW
13.20	3.9432	0.460	-0.1830		0.54	3.7873	10.800	-0.2117
13.20	4.6290	0.540	-0.2048	0.2502	0.54	4.6290	13.200	-0.2048 0.2502
13.20	4.9719	0.580	-0.2179		0.54	5.2602	15.000	-0.2027
13.20	5.3148	0.620	-0.2309	0.2511	0.54	6.1018	17.400	-0.1962 0.2224
13.20	5.6576	0.660	-0.2392		0.54	6.9435	19.800	-0.1949 0.2055
13.20	5.8291	0.680	-0.2516		0.62	4.3484	10.800	-0.2330
13.20	6.0005	0.700	-0.2688	0.2411	0.62	5.3148	13.200	-0.2309 0.2511
13.20	6.1720	0.720	-0.2725		0.62	6.0395	15.000	-0.2216
13.20	6.3434	0.740	-0.2805		0.62	7.0058	17.400	-0.2270 0.2222
13.20	6.6863	0.780	-0.2698	0.2303	0.62	7.9721	19.800	-0.2351 0.1850
13.20	7.0292	0.820	-0.2678		0.62			
13.20	7.3721	0.860	-0.2643	0.2132	0.86	6.0317	10.800	-0.2860
13.20	7.7150	0.900	-0.2592	0.2271	0.86	7.3721	13.200	-0.2643 0.2132
13.20	7.9293	0.925	-0.2496	0.2398	0.72	5.0498	10.800	-0.2760
13.20	8.1436	0.950	-0.2416	0.2745	0.72	6.1720	13.200	-0.2725
13.20	8.3150	0.970	-0.2294	0.2898	0.72	7.0136	15.000	-0.2712
13.20	8.4436	0.985	-0.1632	0.3572	0.72	8.1358	17.400	-0.2473 0.2101
13.20	8.5293	0.995	-0.0576	0.4757	0.72	9.2580	19.800	-0.2549 0.1850
13.20	8.5722	1.000	0.3079	0.3700	0.86			
X	Y	ETA	CP-UP	CP-LOW	1.00	7.0136	10.800	0.2085
					1.00	8.5722	13.200	0.3079 0.3700
					1.00	9.7411	15.000	0.2389
					1.00	10.5204	16.200	0.2623
					1.00	11.2997	17.400	0.3000
					ETA	Y	X	CP-UP CP-LOW
BASE PRESSURES								
PORt	CP							
1	-0.4108							
2	-0.3213							
3	-0.3282							
4	-0.2547							

TABLE AII.- Continued

(b) Concluded

RUN 6	POINT 132	MACH 1.62	ALPHA 12.010	BETA 0.0	Q(PSF) 455.4	H0(PSF) 1085.4	P(PSF) 247.9	RE/FT(X10-6) 2.001
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP
10.80	2.8054	0.400	-0.2286	0.2363	16.20	9.7411	1.000	0.2365
10.80	3.7873	0.540	-0.2744		17.40	6.1018	0.540	-0.2150
10.80	4.3484	0.620	-0.2773		17.40	7.0058	0.620	-0.2840
10.80	4.7692	0.680		0.2448	17.40	8.1358	0.720	-0.2748
10.80	4.9095	0.700			17.40	9.7177	0.860	-0.2565
10.80	5.0498	0.720	-0.3157		17.40	11.2997	1.000	0.2774
10.80	6.0317	0.860	-0.3180					
10.80	6.4876	0.925	-0.3081	0.2526				
10.80	6.8032	0.970	-0.2773		19.80	6.9435	0.540	-0.2153
10.80	6.9084	0.985	-0.2331	0.3769	19.80	7.9721	0.620	-0.2986
10.80	7.0136	1.000	0.1680		19.80	9.2580	0.720	-0.2824
					X	Y	ETA	CP-UP
								CP-LOW
13.20	3.4289	0.400	-0.1744	0.2616				
13.20	3.9432	0.460	-0.1953		ETA	Y	X	CP-UP
13.20	4.6290	0.540	-0.2252	0.2748	0.54	3.7873	10.800	-0.2286
13.20	4.9719	0.580	-0.2369		0.54	4.6290	13.200	-0.2252
13.20	5.3148	0.620	-0.2437	0.2746	0.54	5.2602	15.000	-0.2212
13.20	5.6576	0.660	-0.2782		0.54	6.1018	17.400	-0.2150
13.20	5.8291	0.680	-0.3052		0.54	6.9435	19.800	-0.2153
13.20	6.0005	0.700	-0.3072	0.2631				
13.20	6.1720	0.720	-0.3048		0.62	4.3484	10.800	-0.2744
13.20	6.3434	0.740	-0.3077		0.62	5.3148	13.200	-0.2437
13.20	6.6863	0.780	-0.2988	0.2583	0.62	6.0395	15.000	-0.2570
13.20	7.0292	0.820	-0.2971		0.62	7.0058	17.400	-0.2840
13.20	7.3721	0.860	-0.2905	0.2453	0.62	7.9721	19.800	-0.2986
13.20	7.7150	0.900	-0.2864	0.2673				
13.20	7.9293	0.925	-0.2823	0.2748	0.72	5.0498	10.800	-0.3157
13.20	8.1436	0.950	-0.2734	0.3162	0.72	6.1720	13.200	-0.3048
13.20	8.3150	0.970	-0.2690	0.3422	0.72	7.0136	15.000	-0.2979
13.20	8.4436	0.985	-0.1975	0.3991	0.72	8.1358	17.400	-0.2748
13.20	8.5293	0.995	-0.0997	0.4965	0.72	9.2580	19.800	-0.2824
13.20	8.5722	1.000	0.2856	0.3573				
					0.86	6.0317	10.800	-0.3180
15.00	5.2602	0.540	-0.2212		0.86	7.3721	13.200	-0.2905
15.00	6.0395	0.620	-0.2570		0.86	8.3774	15.000	-0.2744
15.00	7.0136	0.720	-0.2979		0.86	9.7177	17.400	-0.2565
15.00	8.3774	0.860	-0.2744					0.2120
15.00	9.7411	1.000	0.2110		1.00	7.0136	10.800	0.1680
				CP-UP	1.00	8.5722	13.200	0.2856
				CP-LOW	1.00	9.7411	15.000	0.2110
					1.00	10.5204	16.200	0.2365
					1.00	11.2997	17.400	0.2774
					ETA	Y	X	CP-UP
								CP-LOW
BASE PRESSURES								
PORT CP								
1	-0.4090							
2	-0.3539							
3	-0.3461							
4	-0.2541							

TABLE AII.- Continued

(c) $\delta_c = -10^\circ$

RUN 7	POINT 142	MACH 1.62	ALPHA 7.990	BETA 0.0	Q(PSF) 456.3	H0(PSF) 1087.4	P(PSF) 248.4	RE/FT(X10-6) 2.004	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1586	0.1466	16.20	9.7411	1.000	0.3450	
10.80	3.7873	0.540	-0.1762		17.40	6.1018	0.540	-0.1378	0.1498
10.80	4.3484	0.620	-0.1720		17.40	7.0058	0.620	-0.1530	0.1485
10.80	4.7692	0.680	-0.1552		17.40	8.1358	0.720	-0.1473	0.1295
10.80	4.9095	0.700	-0.1667		17.40	9.7177	0.860	-0.1233	0.0841
10.80	5.0498	0.720	-0.1802		17.40	11.2997	1.000	0.3629	
10.80	6.0317	0.860	-0.1714	0.1087	X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.1627		19.80	6.9435	0.540	-0.1303	0.1322
10.80	6.8032	0.970	-0.0517	0.1654	19.80	7.9721	0.620	-0.1468	0.1320
10.80	6.9084	0.985	0.3249		19.80	9.2580	0.720	-0.1517	0.1075
10.80	7.0136	1.000			X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1081	0.1639	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1281		0.54	3.7873	10.800	-0.1586	
13.20	4.6290	0.540	-0.1531	0.1785	0.54	4.6290	13.200	-0.1531	0.1785
13.20	4.9719	0.580	-0.1623		0.54	5.2602	15.000	-0.1425	
13.20	5.3148	0.620	-0.1683	0.1814	0.54	6.1018	17.400	-0.1378	0.1498
13.20	5.6576	0.660	-0.1597		0.54	6.9435	19.800	-0.1303	0.1322
13.20	5.8291	0.680	-0.1630		X	Y	ETA	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.1572	0.1656	0.62	4.3484	10.800	-0.1762	
13.20	6.1720	0.720	-0.1473		0.62	5.3148	13.200	-0.1683	0.1814
13.20	6.3434	0.740	-0.1745		0.62	6.0395	15.000	-0.1622	
13.20	6.6863	0.780	-0.1816	0.1447	0.62	7.0058	17.400	-0.1530	0.1485
13.20	7.0292	0.820	-0.1745		0.62	7.9721	19.800	-0.1468	0.1075
13.20	7.3721	0.860	-0.1603	0.1141	0.62				
13.20	7.7150	0.900	-0.1566	0.1180	0.72	5.0498	10.800	-0.1667	
13.20	7.9293	0.925	-0.1468	0.1204	0.72	6.1720	13.200	-0.1473	
13.20	8.1436	0.950	-0.1507	0.1200	0.72	7.0136	15.000	-0.1536	
13.20	8.3150	0.970	-0.1322	0.1380	0.72	8.1358	17.400	-0.1473	0.1295
13.20	8.4436	0.985	0.0143	0.1782	0.72	9.2580	19.800	-0.1517	0.1075
13.20	8.5293	0.995	0.0820	0.3747	0.86	6.0317	10.800	-0.1802	
13.20	8.5722	1.000	0.3856	0.4079	0.86	7.3721	13.200	-0.1603	0.1141
15.00	5.2602	0.540	-0.1425		0.86	8.3774	15.000	-0.1461	
15.00	6.0395	0.620	-0.1622		0.86	9.7177	17.400	-0.1233	0.0841
15.00	7.0136	0.720	-0.1536		1.00	7.0136	10.800	0.3249	
15.00	8.3774	0.860	-0.1461		1.00	8.5722	13.200	0.3856	0.4079
15.00	9.7411	1.000	0.3291		1.00	9.7411	15.000	0.3291	
X	Y	ETA	CP-UP	CP-LOW	1.00	10.5204	16.200	0.3450	
					1.00	11.2997	17.400	0.3629	
BASE PRESSURES									
PORT	CP				ETA	Y	X	CP-UP	CP-LOW
1	-0.3784								
2	-0.3311								
3	-0.3057								
4	-0.2493								

TABLE AII.- Continued

(c) Continued

RUN 7	POINT 143	MACH 1.62	ALPHA 9.020	BETA 0.0	Q(PSF) 454.9	H(PSF) 1084.3	P(PSF) 247.6	RE/FT(X10-6) 1.999	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1769	0.1685	16.20	9.7411	1.000	0.3196	
10.80	3.7873	0.540			17.40	6.1018	0.540	-0.1567	0.1762
10.80	4.3484	0.620	-0.2003		17.40	7.0058	0.620	-0.1802	0.1746
10.80	4.7692	0.680	-0.1950		17.40	8.1358	0.720	-0.1901	0.1563
10.80	4.9095	0.700		0.1768	17.40	9.7177	0.860	-0.1603	0.1143
10.80	5.0498	0.720	-0.2086		17.40	11.2997	1.000	0.3456	
10.80	6.0317	0.860	-0.2127		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.2088	0.1496					
10.80	6.8032	0.970	-0.1814		19.80	6.9435	0.540	-0.1496	0.1574
10.80	6.9084	0.985	-0.0854	0.2304	19.80	7.9721	0.620	-0.1797	0.1565
10.80	7.0136	1.000	0.2897		19.80	9.2580	0.720	-0.1926	0.1360
13.20	3.4289	0.400	-0.1251	0.1857	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1427						
13.20	4.6290	0.540	-0.1704	0.2040	0.54	3.7873	10.800	-0.1769	
13.20	4.9719	0.580	-0.1849		0.54	4.6290	13.200	-0.1704	0.2040
13.20	5.3148	0.620	-0.1935	0.2053	0.54	5.2602	15.000	-0.1647	
13.20	5.6576	0.660	-0.1869		0.54	6.1018	17.400	-0.1567	0.1762
13.20	5.8291	0.680	-0.1937		0.54	6.9435	19.800	-0.1496	0.1574
13.20	6.0005	0.700	-0.2028	0.1907					
13.20	6.1720	0.720	-0.2133		0.62	4.3484	10.800	-0.2003	
13.20	6.3434	0.740	-0.2126		0.62	5.3148	13.200	-0.1935	0.2053
13.20	6.6863	0.780	-0.2129	0.1753	0.62	6.0395	15.000	-0.1876	
13.20	7.0292	0.820	-0.2035		0.62	7.0058	17.400	-0.1802	0.1746
13.20	7.3721	0.860	-0.1949	0.1504	0.62	7.9721	19.800	-0.1797	0.1360
13.20	7.7150	0.900	-0.1939	0.1572					
13.20	7.9293	0.925	-0.1863	0.1615	0.72	5.0498	10.800	-0.2086	
13.20	8.1436	0.950	-0.1786	0.1830	0.72	6.1720	13.200	-0.2133	
13.20	8.3150	0.970	-0.1550	0.1977	0.72	7.0136	15.000	-0.2104	
13.20	8.4436	0.985	-0.0436	0.2487	0.72	8.1358	17.400	-0.1901	0.1563
13.20	8.5293	0.995	0.0312	0.4182	0.72	9.2580	19.800	-0.1926	0.1360
13.20	8.5722	1.000	0.3600	0.4001					
15.00	5.2602	0.540	-0.1647		0.86	6.0317	10.800	-0.2127	
15.00	6.0395	0.620	-0.1876		0.86	7.3721	13.200	-0.1949	0.1504
15.00	7.0136	0.720	-0.2104		0.86	8.3774	15.000	-0.1795	
15.00	8.3774	0.860	-0.1795		0.86	9.7177	17.400	-0.1603	0.1143
15.00	9.7411	1.000	0.2986		1.00	7.0136	10.800	0.2897	
	X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.3600
						1.00	9.7411	15.000	0.2986
						1.00	10.5204	16.200	0.3196
						1.00	11.2997	17.400	0.3456
BASE PRESSURES									
	PORT	CP							
	1	-0.3993							
	2	-0.3046							
	3	-0.3116							
	4	-0.2519							

TABLE AII.- Continued

(c) Continued

RUN 7	POINT 144	MACH 1.62	ALPHA 10.010	BETA 0.0	Q(PSF) 455.8	H0(PSF) 1086.3	P(PSF) 248.1	RE/FT(X10-6) 2.002	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1964	0.1904	16.20	9.7411	1.000	0.2925	
10.80	3.7873	0.540	-0.2266		17.40	6.1018	0.540	-0.1744	0.1986
10.80	4.3484	0.620	-0.2266		17.40	7.0058	0.620	-0.2160	0.1956
10.80	4.7692	0.680	-0.2264		17.40	8.1358	0.720	-0.2209	0.1807
10.80	4.9095	0.700		0.1994	17.40	9.7177	0.860	-0.1934	0.1458
10.80	5.0498	0.720	-0.2551		17.40	11.2997	1.000	0.3205	
10.80	6.0317	0.860	-0.2460		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.2376	0.1850					
10.80	6.8032	0.970	-0.2061		19.80	6.9435	0.540	-0.1698	0.1805
10.80	6.9084	0.985	-0.1359	0.2842	19.80	7.9721	0.620	-0.2167	0.1801
10.80	7.0136	1.000	0.2539		19.80	9.2580	0.720	-0.2219	0.1582
13.20	3.4289	0.400	-0.1396	0.2099	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1691						
13.20	4.6290	0.540	-0.1900	0.2262	ETA	Y	X	CP-UP	CP-LOW
13.20	4.9719	0.580	-0.2076		0.54	3.7873	10.800	-0.1964	
13.20	5.3148	0.620	-0.2139	0.2278	0.54	4.6290	13.200	-0.1900	0.2262
13.20	5.6576	0.660	-0.2257		0.54	5.2602	15.000	-0.1859	
13.20	5.8291	0.680	-0.2342		0.54	6.1018	17.400	-0.1744	0.1986
13.20	6.0005	0.700	-0.2481	0.2158	0.54	6.9435	19.800	-0.1698	0.1805
13.20	6.1720	0.720	-0.2511		0.62	4.3484	10.800	-0.2266	
13.20	6.3434	0.740	-0.2469		0.62	5.3148	13.200	-0.2139	0.2278
13.20	6.6863	0.780	-0.2401	0.2013	0.62	6.0395	15.000	-0.2139	
13.20	7.0292	0.820	-0.2340		0.62	7.0058	17.400	-0.2160	0.1956
13.20	7.3721	0.860	-0.2247	0.1833	0.62	7.9721	19.800	-0.2167	0.1582
13.20	7.7150	0.900	-0.2259	0.1913	X	Y	ETA	CP-UP	CP-LOW
13.20	7.9293	0.925	-0.2182	0.2041					
13.20	8.1436	0.950	-0.2002	0.2334	0.72	5.0498	10.800	-0.2551	
13.20	8.3150	0.970	-0.1849	0.2465	0.72	6.1720	13.200	-0.2511	
13.20	8.4436	0.985	-0.1007	0.3051	0.72	7.0136	15.000	-0.2433	
13.20	8.5293	0.995	-0.0056	0.4511	0.72	8.1358	17.400	-0.2209	0.1807
13.20	8.5722	1.000	0.3411	0.3934	0.72	9.2580	19.800	-0.2219	0.1582
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.2460	
15.00	5.2602	0.540	-0.1859		0.86	7.3721	13.200	-0.2247	0.1833
15.00	6.0395	0.620	-0.2139		0.86	8.3774	15.000	-0.2180	
15.00	7.0136	0.720	-0.2433		0.86	9.7177	17.400	-0.1934	0.1458
15.00	8.3774	0.860	-0.2180		1.00	7.0136	10.800	0.2539	
15.00	9.7411	1.000	0.2695		1.00	8.5722	13.200	0.3411	0.3934
					1.00	9.7411	15.000	0.2695	
BASE PRESSURES									
PORt	CP				1.00	10.5204	16.200	0.2925	
1	-0.4123				1.00	11.2997	17.400	0.3205	
2	-0.3228				ETA	Y	X	CP-UP	CP-LOW
3	-0.3153								
4	-0.2544								

TABLE AII.- Continued

(c) Continued

RUN 7	POINT 145	MACH 1.62	ALPHA 11.030	BETA 0.0	Q(PSF) 455.6	H0(PSF) 1085.9	P(PSF) 248.0	RE/FT(X10-6) 2.001	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.2188	0.2166	16.20	9.7411	1.000	0.2660	
10.80	3.7873	0.540	-0.2399		17.40	6.1018	0.540	-0.1948	0.2253
10.80	4.3484	0.620	-0.2797		17.40	7.0058	0.620	-0.2660	0.2231
10.80	4.7692	0.680	-0.2797	0.2259	17.40	8.1358	0.720	-0.2489	0.2086
10.80	4.9095	0.700	-0.2962		17.40	9.7177	0.860	-0.2223	0.1771
10.80	5.0498	0.720	-0.2737		17.40	11.2997	1.000	0.3001	
10.80	6.0317	0.860	-0.2737		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.2648	0.2228	19.80	6.9435	0.540	-0.1869	0.2063
10.80	6.8032	0.970	-0.2428		19.80	7.9721	0.620	-0.2782	0.2034
10.80	6.9084	0.985	-0.1737	0.3352	19.80	9.2580	0.720	-0.2521	0.1858
10.80	7.0136	1.000	0.2195		X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1564	0.2360	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1792		0.54	3.7873	10.800	-0.2188	
13.20	4.6290	0.540	-0.2113	0.2487	0.54	4.6290	13.200	-0.2113	0.2487
13.20	4.9719	0.580	-0.2323		0.54	5.2602	15.000	-0.2039	
13.20	5.3148	0.620	-0.2328	0.2503	0.54	6.1018	17.400	-0.1948	0.2253
13.20	5.6576	0.660	-0.2756		0.54	6.9435	19.800	-0.1869	0.2063
13.20	5.8291	0.680	-0.2856		X	Y	ETA	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.2776	0.2369	0.62	4.3484	10.800	-0.2399	
13.20	6.1720	0.720	-0.2778		0.62	5.3148	13.200	-0.2328	0.2503
13.20	6.3434	0.740	-0.2717		0.62	6.0395	15.000	-0.2561	
13.20	6.6863	0.780	-0.2696	0.2318	0.62	7.0058	17.400	-0.2660	0.2231
13.20	7.0292	0.820	-0.2622		0.62	7.9721	19.800	-0.2782	0.1858
13.20	7.3721	0.860	-0.2596	0.2165	0.62				
13.20	7.7150	0.900	-0.2527	0.2314	0.72	5.0498	10.800	-0.2962	
13.20	7.9293	0.925	-0.2469	0.2410	0.72	6.1720	13.200	-0.2778	
13.20	8.1436	0.950	-0.2355	0.2807	0.72	7.0136	15.000	-0.2667	
13.20	8.3150	0.970	-0.2274	0.2947	0.72	8.1358	17.400	-0.2489	0.2086
13.20	8.4436	0.985	-0.1539	0.3574	0.72	9.2580	19.800	-0.2521	0.1858
13.20	8.5293	0.995	-0.0534	0.4820	0.72				
13.20	8.5722	1.000	0.3150	0.3807	0.86	6.0317	10.800	-0.2737	
15.00	5.2602	0.540	-0.2039		0.86	7.3721	13.200	-0.2596	0.2165
15.00	6.0395	0.620	-0.2561		0.86	8.3774	15.000	-0.2418	
15.00	7.0136	0.720	-0.2667		0.86	9.7177	17.400	-0.2223	0.1771
15.00	8.3774	0.860	-0.2418		1.00	7.0136	10.800	0.2195	
15.00	9.7411	1.000	0.2371		1.00	8.5722	13.200	0.3150	0.3807
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.2371	
BASE PRESSURES									
PORT	CP				1.00	10.5204	16.200	0.2660	
1	-0.4094				1.00	11.2997	17.400	0.3001	
2	-0.3222				X	Y	ETA	CP-UP	CP-LOW
3	-0.3304								
4	-0.2523								

TABLE AII.- Concluded

(c) Concluded

RUN 7	POINT 146	MACH 1.62	ALPHA 11.990	BETA 0.0	Q(PSF) 455.7	H0(PSF) 1086.2	P(PSF) 248.1	RE/FT(X10-6) 2.002
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.2410	0.2396	16.20	9.7411	1.000	0.2434
10.80	3.7873	0.540	-0.3164		17.40	6.1018	0.540	-0.2166 0.2498
10.80	4.3484	0.620	-0.3207		17.40	7.0058	0.620	-0.3058 0.2482
10.80	4.7692	0.680		0.2508	17.40	8.1358	0.720	-0.2689 0.2369
10.80	4.9095	0.700			17.40	9.7177	0.860	-0.2540 0.2082
10.80	5.0498	0.720	-0.3186		17.40			
10.80	6.0317	0.860	-0.3072		17.40	11.2997	1.000	0.2796
10.80	6.4876	0.925	-0.2992	0.2589				
10.80	6.8032	0.970	-0.2714		19.80	6.9435	0.540	-0.2151 0.2290
10.80	6.9084	0.985	-0.2059	0.3860	19.80	7.9721	0.620	-0.3058 0.2287
10.80	7.0136	1.000	0.1758		19.80	9.2580	0.720	-0.2755 0.2090
					X Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1670	0.2615				
13.20	3.9432	0.460	-0.2016		ETA	Y X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.2296	0.2724	0.54	3.7873	10.800	-0.2410
13.20	4.9719	0.580	-0.2606		0.54	4.6290	13.200	-0.2296 0.2724
13.20	5.3148	0.620	-0.2654	0.2750	0.54	5.2602	15.000	-0.2272
13.20	5.6576	0.660	-0.3159		0.54	6.1018	17.400	-0.2166 0.2498
13.20	5.8291	0.680	-0.3155		0.54	6.9435	19.800	-0.2151 0.2290
13.20	6.0005	0.700	-0.3006	0.2667				
13.20	6.1720	0.720	-0.3003		0.62	4.3484	10.800	-0.3164
13.20	6.3434	0.740	-0.2999		0.62	5.3148	13.200	-0.2654 0.2750
13.20	6.6863	0.780	-0.2927	0.2582	0.62	6.0395	15.000	-0.3117
13.20	7.0292	0.820	-0.2884		0.62	7.0058	17.400	-0.3058 0.2482
13.20	7.3721	0.860	-0.2877	0.2467	0.62	7.9721	19.800	-0.3058 0.2090
13.20	7.7150	0.900	-0.2775	0.2695				
13.20	7.9293	0.925	-0.2734	0.2809	0.72	5.0498	10.800	-0.3186
13.20	8.1436	0.950	-0.2597	0.3181	0.72	6.1720	13.200	-0.3003
13.20	8.3150	0.970	-0.2583	0.3373	0.72	7.0136	15.000	-0.2922
13.20	8.4436	0.985	-0.1900	0.4027	0.72	8.1358	17.400	-0.2689 0.2369
13.20	8.5293	0.995	-0.0923	0.5006	0.72	9.2580	19.800	-0.2755 0.2090
13.20	8.5722	1.000	0.2933	0.3638				
					0.86	6.0317	10.800	-0.3072
15.00	5.2602	0.540	-0.2272		0.86	7.3721	13.200	-0.2877 0.2467
15.00	6.0395	0.620	-0.3117		0.86	8.3774	15.000	-0.2681
15.00	7.0136	0.720	-0.2922		0.86	9.7177	17.400	-0.2540 0.2082
15.00	8.3774	0.860	-0.2681		1.00	7.0136	10.800	0.1758
15.00	9.7411	1.000	0.2097		1.00	8.5722	13.200	0.2933 0.3638
X Y	ETA	CP-UP	CP-LOW		1.00	9.7411	15.000	0.2097
					1.00	10.5204	16.200	0.2434
					1.00	11.2997	17.400	0.2796
					ETA	Y X	CP-UP	CP-LOW
BASE PRESSURES								
PORT	CP							
1	-0.4075							
2	-0.3536							
3	-0.3471							
4	-0.2529							

TABLE AIII.- FLAT WING-BODY CONFIGURATION WITH NOSE 1

TABLE AIII.- Continued

RUN 14	POINT 334	MACH 1.62	ALPHA 4.000	BETA 0.0	Q(PSF) 454.3	H0(PSF) 1082.8	P(PSF) 247.3	RE/FT(X10-6) 1.996	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.0786	0.0706	16.20	9.7411	1.000	0.3026	
10.80	3.7873	0.540	-0.0792		17.40	6.1018	0.540	-0.0619	0.0893
10.80	4.3484	0.620	-0.0866		17.40	7.0058	0.620	-0.0620	0.0967
10.80	4.7692	0.680		0.0982	17.40	8.1358	0.720	-0.0900	0.0965
10.80	4.9095	0.700	-0.1093		17.40	9.7177	0.860	-0.2520	0.1037
10.80	5.0498	0.720			17.40	11.2997	1.000	0.2689	
10.80	6.0317	0.860	-0.2499		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.2544	0.1287					
10.80	6.8032	0.970	-0.2439		19.80	6.9435	0.540	-0.1025	0.0809
10.80	6.9084	0.985	-0.2391	0.2390	19.80	7.9721	0.620	-0.0648	0.0918
10.80	7.0136	1.000	0.2414		19.80	9.2580	0.720	-0.0971	0.0883
13.20	3.4289	0.400	-0.0608	0.0834	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.0583						
13.20	4.6290	0.540	-0.0614	0.0961	ETA	Y	X	CP-UP	CP-LOW
13.20	4.9719	0.580	-0.0603		0.54	3.7873	10.800	-0.0786	
13.20	5.3148	0.620	-0.0631	0.0999	0.54	4.6290	13.200	-0.0614	0.0961
13.20	5.6576	0.660	-0.0759		0.54	5.2602	15.000	-0.0544	
13.20	5.8291	0.680	-0.0809		0.54	6.1018	17.400	-0.0619	0.0893
13.20	6.0005	0.700	-0.0810	0.1054	0.54	6.9435	19.800	-0.1025	0.0809
13.20	6.1720	0.720	-0.0866		0.62	4.3484	10.800	-0.0792	
13.20	6.3434	0.740	-0.1184		0.62	5.3148	13.200	-0.0631	0.0999
13.20	6.6863	0.780	-0.1734	0.1106	0.62	6.0395	15.000	-0.0621	
13.20	7.0292	0.820	-0.2444		0.62	7.0058	17.400	-0.0620	0.0967
13.20	7.3721	0.860	-0.2509	0.1142	0.62	7.9721	19.800	-0.0648	0.0883
13.20	7.7150	0.900	-0.2450	0.1309					
13.20	7.9293	0.925	-0.2474	0.1494	0.72	5.0498	10.800	-0.1093	
13.20	8.1436	0.950	-0.2633	0.1703	0.72	6.1720	13.200	-0.0866	
13.20	8.3150	0.970	-0.2424	0.2015	0.72	7.0136	15.000	-0.0927	
13.20	8.4436	0.985	-0.2321	0.2536	0.72	8.1358	17.400	-0.0900	0.0965
13.20	8.5293	0.995	-0.0573	0.3272	0.72	9.2580	19.800	-0.0971	0.0883
13.20	8.5722	1.000	0.3238	0.3824					
15.00	5.2602	0.540	-0.0544		0.86	6.0317	10.800	-0.2499	
15.00	6.0395	0.620	-0.0621		0.86	7.3721	13.200	-0.2509	0.1142
15.00	7.0136	0.720	-0.0927		0.86	8.3774	15.000	-0.2473	
15.00	8.3774	0.860	-0.2473		0.86	9.7177	17.400	-0.2520	0.1037
15.00	9.7411	1.000	0.2834		1.00	7.0136	10.800	0.2414	
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.3238	0.3824
BASE PRESSURES									
PORT	CP				ETA	Y	X	CP-UP	CP-LOW
1	-0.4272								
2	-0.3256								
3	-0.2833								
4	-0.2372								

TABLE AIII.- Continued

RUN 14	POINT 336	MACH 1.62	ALPHA 6.030	BETA 0.0	Q(PSF) 454.8	H0(PSF) 1084.0	P(PSF) 247.6	RE/FT(X10-6) 1.998	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1102	0.1127	16.20	9.7411	1.000	0.2645	0.1339
10.80	3.7873	0.540	-0.1301		17.40	6.1018	0.540	-0.0952	0.1405
10.80	4.3484	0.620	-0.1327		17.40	7.0058	0.620	-0.0985	0.1431
10.80	4.7692	0.680		0.1490	17.40	8.1358	0.720	-0.1847	0.1621
10.80	4.9095	0.700			17.40	9.7177	0.860	-0.3187	
10.80	5.0498	0.720	-0.2521		17.40	11.2997	1.000	0.2164	
10.80	6.0317	0.860	-0.3187		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.3270	0.2030					
10.80	6.8032	0.970	-0.3261		19.80	6.9435	0.540	-0.1272	0.1281
10.80	6.9084	0.985	-0.3141	0.3214	19.80	7.9721	0.620	-0.1020	0.1403
10.80	7.0136	1.000	0.1830		19.80	9.2580	0.720	-0.1909	0.1396
13.20	3.4289	0.400	-0.0876	0.1169	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.0859		0.54	3.7873	10.800	-0.1102	
13.20	4.6290	0.540	-0.1031	0.1315	0.54	4.6290	13.200	-0.1031	0.1315
13.20	4.9719	0.580	-0.0914		0.54	5.2602	15.000	-0.0870	
13.20	5.3148	0.620	-0.1067	0.1402	0.54	6.1018	17.400	-0.0952	0.1339
13.20	5.6576	0.660	-0.1476		0.54	6.9435	19.800	-0.1272	0.1281
13.20	5.8291	0.680	-0.1659		X	Y	ETA	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.1986	0.1480					
13.20	6.1720	0.720	-0.1961		0.62	4.3484	10.800	-0.1301	
13.20	6.3434	0.740	-0.2428		0.62	5.3148	13.200	-0.1067	0.1402
13.20	6.6863	0.780	-0.2951	0.1566	0.62	6.0395	15.000	-0.1165	
13.20	7.0292	0.820	-0.3169		0.62	7.0058	17.400	-0.0985	0.1405
13.20	7.3721	0.860	-0.3239	0.1660	0.62	7.9721	19.800	-0.1020	0.1396
13.20	7.7150	0.900	-0.3212	0.1874					
13.20	7.9293	0.925	-0.3204	0.2066	0.72	5.0498	10.800	-0.2521	
13.20	8.1436	0.950	-0.3343	0.2284	0.72	6.1720	13.200	-0.1961	
13.20	8.3150	0.970	-0.3262	0.2653	0.72	7.0136	15.000	-0.1791	
13.20	8.4436	0.985	-0.3063	0.3244	0.72	8.1358	17.400	-0.1847	0.1431
13.20	8.5293	0.995	-0.1396	0.3891	0.72	9.2580	19.800	-0.1909	0.1396
13.20	8.5722	1.000	0.2870	0.3490	0.86	6.0317	10.800	-0.3187	
15.00	5.2602	0.540	-0.0870		0.86	7.3721	13.200	-0.3239	0.1660
15.00	6.0395	0.620	-0.1165		0.86	8.3774	15.000	-0.3171	
15.00	7.0136	0.720	-0.1791		0.86	9.7177	17.400	-0.3187	0.1621
15.00	8.3774	0.860	-0.3171		1.00	7.0136	10.800	0.1830	
15.00	9.7411	1.000	0.2264		1.00	8.5722	13.200	0.2870	0.3490
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.2264	
					1.00	10.5204	16.200	0.2645	
					1.00	11.2997	17.400	0.2164	
BASE PRESSURES									
PORT	CP				ETA	Y	X	CP-UP	CP-LOW
1	-0.4326								
2	-0.3524								
3	-0.2978								
4	-0.2386								

TABLE AIII.- Continued

RUN 14	POINT 339	MACH 1.62	ALPHA 7.030	BETA 0.0	Q(PSF) 456.0	H0(PSF) 1086.8	P(PSF) 248.2	RE/FT(X10-6) 2.003	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1303	0.1267	16.20	9.7411	1.000	0.2468	
10.80	3.7873	0.540	-0.1843		17.40	6.1018	0.540	-0.1153	0.1609
10.80	4.3484	0.620	-0.1845		17.40	7.0058	0.620	-0.1105	0.1664
10.80	4.7692	0.680	-0.1845	0.1612	17.40	8.1358	0.720	-0.2765	0.1718
10.80	4.9095	0.700	-0.2991		17.40	9.7177	0.860	-0.3441	0.1958
10.80	5.0498	0.720	-0.3384		17.40	11.2997	1.000	0.1876	
10.80	6.0317	0.860	-0.3562	0.2271					
10.80	6.4876	0.925	-0.3562		X	Y	ETA	CP-UP	CP-LOW
10.80	6.8032	0.970	-0.3630		19.80	6.9435	0.540	-0.1355	0.1555
10.80	6.9084	0.985	-0.3508	0.3372	19.80	7.9721	0.620	-0.1193	0.1674
10.80	7.0136	1.000	0.1568		19.80	9.2580	0.720	-0.2541	0.1680
					X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.0999	0.1423					
13.20	3.9432	0.460	-0.0997		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1179	0.1572	0.54	3.7873	10.800	-0.1303	
13.20	4.9719	0.580	-0.1031		0.54	4.6290	13.200	-0.1179	0.1572
13.20	5.3148	0.620	-0.1183	0.1627	0.54	5.2602	15.000	-0.0926	
13.20	5.6576	0.660	-0.2065		0.54	6.1018	17.400	-0.1153	0.1609
13.20	5.8291	0.680	-0.2708		0.54	6.9435	19.800	-0.1355	0.1555
13.20	6.0005	0.700	-0.2572	0.1717					
13.20	6.1720	0.720	-0.2611		0.62	4.3484	10.800	-0.1843	
13.20	6.3434	0.740	-0.2898		0.62	5.3148	13.200	-0.1183	0.1627
13.20	6.6863	0.780	-0.3160	0.1819	0.62	6.0395	15.000	-0.1804	
13.20	7.0292	0.820	-0.3366		0.62	7.0058	17.400	-0.1105	0.1664
13.20	7.3721	0.860	-0.3467	0.1930	0.62	7.9721	19.800	-0.1193	0.1680
13.20	7.7150	0.900	-0.3504	0.2196					
13.20	7.9293	0.925	-0.3542	0.2359	0.72	5.0498	10.800	-0.2991	
13.20	8.1436	0.950	-0.3690	0.2572	0.72	6.1720	13.200	-0.2611	
13.20	8.3150	0.970	-0.3568	0.2954	0.72	7.0136	15.000	-0.2771	
13.20	8.4436	0.985	-0.3439	0.3507	0.72	8.1358	17.400	-0.2765	0.1718
13.20	8.5293	0.995	-0.1806	0.4055	0.72	9.2580	19.800	-0.2541	0.1680
13.20	8.5722	1.000	0.2528	0.3185					
					0.86	6.0317	10.800	-0.3384	
15.00	5.2602	0.540	-0.0926		0.86	7.3721	13.200	-0.3467	0.1930
15.00	6.0395	0.620	-0.1804		0.86	8.3774	15.000	-0.3443	
15.00	7.0136	0.720	-0.2771		0.86	9.7177	17.400	-0.3441	0.1958
15.00	8.3774	0.860	-0.3443						
15.00	9.7411	1.000	0.2028		1.00	7.0136	10.800	0.1568	
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2528	0.3185
					1.00	9.7411	15.000	0.2028	
					1.00	10.5204	16.200	0.2468	
					1.00	11.2997	17.400	0.1876	
					ETA	Y	X	CP-UP	CP-LOW
BASE PRESSURES									
PORT	CP								
1	-0.4412								
2	-0.3671								
3	-0.3130								
4	-0.2444								

TABLE AIII.- Continued

RUN 14	POINT 341	MACH 1.62	ALPHA 8.020	BETA 0.0	Q(PSF) 455.7	H0(PSF) 1086.2	P(PSF) 248.1	RE/FT(X10-6) 2.002	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400		0.1449	16.20	9.7411	1.000	0.2242	
10.80	3.7873	0.540	-0.1635		17.40	6.1018	0.540	-0.1415	0.1861
10.80	4.3484	0.620	-0.2236		17.40	7.0058	0.620	-0.1369	0.1936
10.80	4.7692	0.680	-0.2590		17.40	8.1358	0.720	-0.3207	0.1992
10.80	4.9095	0.700		0.1812	17.40	9.7177	0.860	-0.3614	0.2254
10.80	5.0498	0.720	-0.3282		17.40	11.2997	1.000	0.1518	
10.80	6.0317	0.860	-0.3584		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.3812	0.2556					
10.80	6.8032	0.970	-0.3891		19.80	6.9435	0.540	-0.1548	0.1791
10.80	6.9084	0.985	-0.3815	0.3572	19.80	7.9721	0.620	-0.1746	0.1925
10.80	7.0136	1.000	0.1249		19.80	9.2580	0.720	-0.2761	0.1951
13.20	3.4289	0.400	-0.1059	0.1657					
13.20	3.9432	0.460	-0.1138		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1405	0.1831	0.54	3.7873	10.800	-0.1635	
13.20	4.9719	0.580	-0.1287		0.54	4.6290	13.200	-0.1405	0.1831
13.20	5.3148	0.620	-0.1630	0.1869	0.54	5.2602	15.000	-0.1075	
13.20	5.6576	0.660	-0.2710		0.54	6.1018	17.400	-0.1415	0.1861
13.20	5.8291	0.680	-0.2932		0.54	6.9435	19.800	-0.1548	0.1791
13.20	6.0005	0.700	-0.2890	0.1968					
13.20	6.1720	0.720	-0.3198		0.62	4.3484	10.800	-0.2236	
13.20	6.3434	0.740	-0.3170		0.62	5.3148	13.200	-0.1630	0.1869
13.20	6.6863	0.780	-0.3434	0.2135	0.62	6.0395	15.000	-0.2249	
13.20	7.0292	0.820	-0.3519		0.62	7.0058	17.400	-0.1369	0.1936
13.20	7.3721	0.860	-0.3637	0.2252	0.62	7.9721	19.800	-0.1746	0.1951
13.20	7.7150	0.900	-0.3757	0.2498					
13.20	7.9293	0.925	-0.3800	0.2673	0.72	5.0498	10.800	-0.3282	
13.20	8.1436	0.950	-0.3928	0.2905	0.72	6.1720	13.200	-0.3198	
13.20	8.3150	0.970	-0.3848	0.3233	0.72	7.0136	15.000	-0.3187	
13.20	8.4436	0.985	-0.3730	0.3811	0.72	8.1358	17.400	-0.3207	0.1992
13.20	8.5293	0.995	-0.2089	0.4234	0.72	9.2580	19.800	-0.2761	0.1951
13.20	8.5722	1.000	0.2306	0.2974					
15.00	5.2602	0.540	-0.1075		0.86	6.0317	10.800	-0.3584	
15.00	6.0395	0.620	-0.2249		0.86	7.3721	13.200	-0.3637	0.2252
15.00	7.0136	0.720	-0.3187		0.86	8.3774	15.000	-0.3602	
15.00	8.3774	0.860	-0.3602		0.86	9.7177	17.400	-0.3614	0.2254
15.00	9.7411	1.000	0.1750		1.00	7.0136	10.800	0.1249	
	X	Y	ETA	CP-UP	CP-LOW				
					1.00	8.5722	13.200	0.2306	0.2974
					1.00	9.7411	15.000	0.1750	
					1.00	10.5204	16.200	0.2242	
					1.00	11.2997	17.400	0.1518	
						ETA	X	CP-UP	CP-LOW
	BASE PRESSURES								
	PORT	CP							
	1	-0.4435							
	2	-0.3838							
	3	-0.3198							
	4	-0.2517							

TABLE AIII.- Concluded

RUN 14	POINT 345	MACH 1.62	ALPHA 9.030	BETA 0.0	Q(PSF) 456.1	H0(PSF) 1086.9	P(PSF) 248.2	RE/FT(X10-6) 2.003		
	X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400			0.1754	16.20	9.7411	1.000	0.1909	
10.80	3.7873	0.540	-0.2179			17.40	6.1018	0.540	-0.1875	0.2038
10.80	4.3484	0.620	-0.2587			17.40	7.0058	0.620	-0.2033	0.2125
10.80	4.7692	0.680	-0.2894			17.40	8.1358	0.720	-0.3333	0.2196
10.80	4.9095	0.700			0.2083	17.40	9.7177	0.860	-0.3800	0.2534
10.80	5.0498	0.720	-0.3519			17.40	11.2997	1.000	0.1085	
10.80	6.0317	0.860	-0.3772			X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.4035	0.2876		19.80	6.9435	0.540	-0.1995	0.1899
10.80	6.8032	0.970	-0.4156			19.80	7.9721	0.620	-0.2338	0.2057
10.80	6.9084	0.985	-0.4022	0.3830		19.80	9.2580	0.720	-0.3157	0.2117
10.80	7.0136	1.000	0.0968			X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1158	0.1924		ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1263			0.54	3.7873	10.800	-0.2179	
13.20	4.6290	0.540	-0.1639	0.2091		0.54	4.6290	13.200	-0.1639	0.2091
13.20	4.9719	0.580	-0.1601			0.54	5.2602	15.000	-0.1357	
13.20	5.3148	0.620	-0.2093	0.2167		0.54	6.1018	17.400	-0.1875	0.2038
13.20	5.6576	0.660	-0.3077			0.54	6.9435	19.800	-0.1995	0.1899
13.20	5.8291	0.680	-0.3287			X	Y	ETA	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.3195	0.2270		0.62	4.3484	10.800	-0.2587	
13.20	6.1720	0.720	-0.3516			0.62	5.3148	13.200	-0.2093	0.2167
13.20	6.3434	0.740	-0.3483			0.62	6.0395	15.000	-0.2660	
13.20	6.6863	0.780	-0.3667	0.2446		0.62	7.0058	17.400	-0.2033	0.2125
13.20	7.0292	0.820	-0.3701			0.62	7.9721	19.800	-0.2338	0.2117
13.20	7.3721	0.860	-0.3788	0.2598		X	Y	ETA	CP-UP	CP-LOW
13.20	7.7150	0.900	-0.3907	0.2872		0.72	5.0498	10.800	-0.3519	
13.20	7.9293	0.925	-0.4018	0.3022		0.72	6.1720	13.200	-0.3516	
13.20	8.1436	0.950	-0.4189	0.3283		0.72	7.0136	15.000	-0.3442	
13.20	8.3150	0.970	-0.4121	0.3632		0.72	8.1358	17.400	-0.3333	0.2196
13.20	8.4436	0.985	-0.3956	0.4106		0.72	9.2580	19.800	-0.3157	0.2117
13.20	8.5293	0.995	-0.2375	0.4451		X	Y	ETA	CP-UP	CP-LOW
13.20	8.5722	1.000	0.2001	0.2707		0.86	6.0317	10.800	-0.3772	
15.00	5.2602	0.540	-0.1357			0.86	7.3721	13.200	-0.3788	0.2598
15.00	6.0395	0.620	-0.2660			0.86	8.3774	15.000	-0.3751	
15.00	7.0136	0.720	-0.3442			0.86	9.7177	17.400	-0.3800	0.2534
15.00	8.3774	0.860	-0.3751			X	Y	ETA	CP-UP	CP-LOW
15.00	9.7411	1.000	0.1401			1.00	7.0136	10.800	0.0968	
	X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2001	0.2707
						1.00	9.7411	15.000	0.1401	
						1.00	10.5204	16.200	0.1909	
						1.00	11.2997	17.400	0.1085	
						X	Y	ETA	CP-UP	CP-LOW
	PORT	CP								
	1	-0.4378								
	2	-0.3873								
	3	-0.3335								
	4	-0.2626								

TABLE AIV.- FLAT WING-BODY CANARD CONFIGURATION WITH NOSE 1

(a) $\delta_c = 0^\circ$

RUN 10	POINT 252	MACH 1.62	ALPHA 2.040	BETA 0.0	Q(PSF) 455.3	H0(PSF) 1085.3	P(PSF) 247.9	RE/FT(X10-6) 2.000	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.0388	0.0339	16.20	9.7411	1.000	0.3562	0.0490
10.80	3.7873	0.540	-0.0360		17.40	6.1018	0.540	-0.0326	0.0548
10.80	4.3484	0.620	-0.0387		17.40	7.0058	0.620	-0.0258	0.0512
10.80	4.7692	0.680		0.0505	17.40	8.1358	0.720	-0.0355	0.0435
10.80	4.9095	0.700			17.40	9.7177	0.860	-0.1253	
10.80	5.0498	0.720	-0.0510		17.40	11.2997	1.000	0.3220	
10.80	6.0317	0.860	-0.1448		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.1718	0.0471					
10.80	6.8032	0.970	-0.1324		19.80	6.9435	0.540	-0.0702	0.0415
10.80	6.9084	0.985	-0.1197	0.1426	19.80	7.9721	0.620	-0.0358	0.0507
10.80	7.0136	1.000	0.2912		19.80	9.2580	0.720	-0.0514	0.0436
13.20	3.4289	0.400	-0.0310	0.0470					
13.20	3.9432	0.460	-0.0286		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.0288	0.0570	0.54	3.7873	10.800	-0.0388	
13.20	4.9719	0.580	-0.0240		0.54	4.6290	13.200	-0.0288	0.0570
13.20	5.3148	0.620	-0.0275	0.0608	0.54	5.2602	15.000	-0.0182	
13.20	5.6576	0.660	-0.0329		0.54	6.1018	17.400	-0.0326	0.0490
13.20	5.8291	0.680	-0.0381		0.54	6.9435	19.800	-0.0702	0.0415
13.20	6.0005	0.700	-0.0417	0.0596					
13.20	6.1720	0.720	-0.0471		0.62	4.3484	10.800	-0.0360	
13.20	6.3434	0.740	-0.0510		0.62	5.3148	13.200	-0.0275	0.0608
13.20	6.6863	0.780	-0.0704	0.0551	0.62	6.0395	15.000	-0.0217	
13.20	7.0292	0.820	-0.0982		0.62	7.0058	17.400	-0.0258	0.0548
13.20	7.3721	0.860	-0.1475	0.0490	0.62	7.9721	19.800	-0.0358	0.0436
13.20	7.7150	0.900	-0.1720	0.0528					
13.20	7.9293	0.925	-0.1708	0.0630	0.72	5.0498	10.800	-0.0510	
13.20	8.1436	0.950	-0.1766	0.0738	0.72	6.1720	13.200	-0.0471	
13.20	8.3150	0.970	-0.1244	0.0917	0.72	7.0136	15.000	-0.0365	
13.20	8.4436	0.985	-0.1151	0.1449	0.72	8.1358	17.400	-0.0355	0.0512
13.20	8.5293	0.995	0.0387	0.2197	0.72	9.2580	19.800	-0.0514	0.0436
13.20	8.5722	1.000	0.3619	0.3777					
15.00	5.2602	0.540	-0.0182		0.86	6.0317	10.800	-0.1448	
15.00	6.0395	0.620	-0.0217		0.86	7.3721	13.200	-0.1475	0.0490
15.00	7.0136	0.720	-0.0365		0.86	8.3774	15.000	-0.1305	
15.00	8.3774	0.860	-0.1305			9.7177	17.400	-0.1253	0.0435
15.00	9.7411	1.000	0.3293		1.00	7.0136	10.800	0.2912	
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.3619	0.3777
					1.00	9.7411	15.000	0.3293	
					1.00	10.5204	16.200	0.3562	
					1.00	11.2997	17.400	0.3220	
								CP-UP	CP-LOW
BASE PRESSURES									
PORt	CP								
1	-0.3921								
2	-0.2881								
3	-0.2832								
4	-0.2372								

TABLE AIV.- Continued

(a) Continued

RUN 10	POINT 253	MACH 1.62	ALPHA 3.970	BETA 0.0	Q(PSF) 454.6	H0(PSF) 1083.5	P(PSF) 247.5	RE/FT(X10-6) 1.997
X	Y	ETA		CP-UP	CP-LOW	X	Y	ETA
10.80	2.8054	0.400		-0.0742	0.0686	16.20	9.7411	1.000
10.80	3.7873	0.540		-0.0749		17.40	6.1018	0.540
10.80	4.3484	0.620		-0.0808		17.40	7.0058	0.620
10.80	4.7692	0.680		0.0951		17.40	8.1358	0.720
10.80	4.9095	0.700		-0.0932		17.40	9.7177	0.860
10.80	5.0498	0.720		-0.2421		17.40	11.2997	1.000
10.80	6.0317	0.860		-0.2564	0.1216			
10.80	6.4876	0.925		-0.2516		19.80	6.9435	0.540
10.80	6.8032	0.970		-0.2409	0.2345	19.80	7.9721	0.620
10.80	6.9084	0.985		-0.2290		19.80	9.2580	0.720
10.80	7.0136	1.000				X	Y	ETA
								CP-UP
								CP-LOW
13.20	3.4289	0.400		-0.0639	0.0843			
13.20	3.9432	0.460		-0.0629		ETA	Y	X
13.20	4.6290	0.540		-0.0638	0.0976	0.54	3.7873	10.800
13.20	4.9719	0.580		-0.0619		0.54	4.6290	13.200
13.20	5.3148	0.620		-0.0651	0.1013	0.54	5.2602	15.000
13.20	5.6576	0.660		-0.0671		0.54	6.1018	17.400
13.20	5.8291	0.680		-0.0787		0.54	6.9435	19.800
13.20	6.0005	0.700		-0.0821	0.1084			
13.20	6.1720	0.720		-0.0826		0.62	4.3484	10.800
13.20	6.3434	0.740		-0.0882		0.62	5.3148	13.200
13.20	6.6863	0.780		-0.1277	0.1071	0.62	6.0395	15.000
13.20	7.0292	0.820		-0.2188		0.62	7.0058	17.400
13.20	7.3721	0.860		-0.2527	0.1115	0.62	7.9721	19.800
13.20	7.7150	0.900		-0.2532	0.1281			
13.20	7.9293	0.925		-0.2543	0.1420	0.72	5.0498	10.800
13.20	8.1436	0.950		-0.2621	0.1653	0.72	6.1720	13.200
13.20	8.3150	0.970		-0.2460	0.1843	0.72	7.0136	15.000
13.20	8.4436	0.985		-0.2292	0.2497	0.72	8.1358	17.400
13.20	8.5293	0.995		-0.0588	0.3245	0.72	9.2580	19.800
13.20	8.5722	1.000		0.3224	0.3781			
X	Y	ETA		CP-UP	CP-LOW	0.86	6.0317	10.800
						0.86	7.3721	13.200
						0.86	8.3774	15.000
						0.86	9.7177	17.400
						1.00	7.0136	10.800
						1.00	8.5722	13.200
						1.00	9.7411	15.000
						1.00	10.5204	16.200
						1.00	11.2997	17.400
						ETA	Y	X
								CP-UP
								CP-LOW
BASE PRESSURES								
PORT	CP							
1	-0.4302							
2	-0.3050							
3	-0.2859							
4	-0.2384							

TABLE AIV.- Continued

(a) Continued

RUN 10	POINT 254	MACH 1.62	ALPHA 6.030	BETA 0.0	Q(PSF) 455.6	H0(PSF) 1085.8	P(PSF) 248.0	RE/FT(X10-6) 2.001
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.1079	0.0989	16.20	9.7411	1.000	0.2624
10.80	3.7873	0.540	-0.1124		17.40	6.1018	0.540	-0.0955 0.1365
10.80	4.3484	0.620	-0.1265		17.40	7.0058	0.620	-0.1122 0.1424
10.80	4.7692	0.680		0.1341	17.40	8.1358	0.720	-0.1568 0.1487
10.80	5.0498	0.700	-0.1254		17.40	9.7177	0.860	-0.3183 0.1659
10.80	6.0317	0.860	-0.3061		17.40	11.2997	1.000	0.2120
10.80	6.4876	0.925	-0.3347	0.1880				
10.80	6.8032	0.970	-0.3374		19.80	6.9435	0.540	-0.1401 0.1270
10.80	6.9084	0.985	-0.3285	0.3116	19.80	7.9721	0.620	-0.1086 0.1400
10.80	7.0136	1.000	0.1678		19.80	9.2580	0.720	-0.1764 0.1423
					X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.0939	0.1258				
13.20	3.9432	0.460	-0.0982		ETA	Y	X	CP-UP CP-LOW
13.20	4.6290	0.540	-0.1005	0.1359	0.54	3.7873	10.800	-0.1079
13.20	4.9719	0.580	-0.1028		0.54	4.6290	13.200	-0.1005 0.1359
13.20	5.3148	0.620	-0.1008	0.1416	0.54	5.2602	15.000	-0.0919
13.20	5.6576	0.660	-0.1061		0.54	6.1018	17.400	-0.0955 0.1365
13.20	5.8291	0.680	-0.1061		0.54	6.9435	19.800	-0.1401 0.1270
13.20	6.0005	0.700	-0.1399	0.1484				
13.20	6.1720	0.720	-0.1795		0.62	4.3484	10.800	-0.1124
13.20	6.3434	0.740	-0.1712		0.62	5.3148	13.200	-0.1008 0.1416
13.20	6.6863	0.780	-0.2468	0.1544	0.62	6.0395	15.000	-0.0939
13.20	7.0292	0.820	-0.3004		0.62	7.0058	17.400	-0.1122 0.1424
13.20	7.3721	0.860	-0.3181	0.1654	0.62	7.9721	19.800	-0.1086 0.1423
13.20	7.7150	0.900	-0.3283	0.1880				
13.20	7.9293	0.925	-0.3305	0.2080	0.72	5.0498	10.800	-0.1254
13.20	8.1436	0.950	-0.3412	0.2357	0.72	6.1720	13.200	-0.1795
13.20	8.3150	0.970	-0.3330	0.2582	0.72	7.0136	15.000	-0.1467
13.20	8.4436	0.985	-0.3130	0.3234	0.72	8.1358	17.400	-0.1568 0.1487
13.20	8.5293	0.995	-0.1507	0.3866	0.72	9.2580	19.800	-0.1764 0.1423
13.20	8.5722	1.000	0.2784	0.3382				
					0.86	6.0317	10.800	-0.3061
15.00	5.2602	0.540	-0.0919		0.86	7.3721	13.200	-0.3181 0.1654
15.00	6.0395	0.620	-0.0939		0.86	8.3774	15.000	-0.3172
15.00	7.0136	0.720	-0.1467		0.86	9.7177	17.400	-0.3183 0.1659
15.00	8.3774	0.860	-0.3172					
15.00	9.7411	1.000	0.2257		1.00	7.0136	10.800	0.1678
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2784 0.3382
					1.00	9.7411	15.000	0.2257
					1.00	10.5204	16.200	0.2624
					1.00	11.2997	17.400	0.2120
					ETA	Y	X	CP-UP CP-LOW
BASE PRESSURES								
POR T	CP							
1	-0.4362							
2	-0.3644							
3	-0.2972							
4	-0.2410							

TABLE AIV.- Continued

(a) Continued

RUN 10	POINT 255	MACH 1.62	ALPHA 6.980	BETA 0.0	Q(PSF) 454.5	H0(PSF) 1083.3	P(PSF) 247.4	RE/FT(X10-6) 1.997	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1291	0.1145	16.20	9.7411	1.000	0.2375	
10.80	3.7873	0.540	-0.1323		17.40	6.1018	0.540	-0.1088	0.1537
10.80	4.3484	0.620	-0.1506		17.40	7.0058	0.620	-0.1209	0.1625
10.80	4.7692	0.680	-0.1551	0.1482	17.40	8.1358	0.720	-0.2246	0.1702
10.80	4.9095	0.700	-0.1551		17.40	9.7177	0.860	-0.3439	0.1941
10.80	5.0498	0.720	-0.3357		17.40	11.2997	1.000	0.1773	
10.80	6.0317	0.860	-0.3660	0.2159	X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.3707		19.80	6.9435	0.540	-0.1533	0.1447
10.80	6.8032	0.970	-0.3604	0.3296	19.80	7.9721	0.620	-0.1330	0.1587
10.80	6.9084	0.985	-0.1307		19.80	9.2580	0.720	-0.2208	0.1619
10.80	7.0136	1.000			X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1136	0.1440	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1188		0.54	3.7873	10.800	-0.1291	
13.20	4.6290	0.540	-0.1200	0.1563	0.54	4.6290	13.200	-0.1200	0.1563
13.20	4.9719	0.580	-0.1216		0.54	5.2602	15.000	-0.1158	
13.20	5.3148	0.620	-0.1235	0.1595	0.54	6.1018	17.400	-0.1088	0.1537
13.20	5.6576	0.660	-0.1256		0.54	6.9435	19.800	-0.1533	0.1447
13.20	5.8291	0.680	-0.1189		X	Y	ETA	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.1712	0.1693	0.62	4.3484	10.800	-0.1323	
13.20	6.1720	0.720	-0.2623		0.62	5.3148	13.200	-0.1235	0.1595
13.20	6.3434	0.740	-0.2734		0.62	6.0395	15.000	-0.1140	
13.20	6.6863	0.780	-0.2656	0.1791	0.62	7.0058	17.400	-0.1209	0.1625
13.20	7.0292	0.820	-0.3279		0.62	7.9721	19.800	-0.1330	0.1619
13.20	7.3721	0.860	-0.3364	0.1933	X	Y	ETA	CP-UP	CP-LOW
13.20	7.7150	0.900	-0.3514	0.2166	0.62	7.9293	10.800	-0.1551	
13.20	7.9293	0.925	-0.3584	0.2338	0.72	5.0498	10.800	-0.1551	
13.20	8.1436	0.950	-0.3712	0.2632	0.72	6.1720	13.200	-0.2623	
13.20	8.3150	0.970	-0.3641	0.2861	0.72	7.0136	15.000	-0.1755	
13.20	8.4436	0.985	-0.3491	0.3476	0.72	8.1358	17.400	-0.2246	0.1702
13.20	8.5293	0.995	-0.1860	0.4031	0.72	9.2580	19.800	-0.2208	0.1619
13.20	8.5722	1.000	0.2467	0.3130	X	Y	ETA	CP-UP	CP-LOW
15.00	5.2602	0.540	-0.1158		0.86	6.0317	10.800	-0.3357	
15.00	6.0395	0.620	-0.1140		0.86	7.3721	13.200	-0.3364	0.1933
15.00	7.0136	0.720	-0.1755		0.86	8.3774	15.000	-0.3334	
15.00	8.3774	0.860	-0.3334		0.86	9.7177	17.400	-0.3439	0.1941
15.00	9.7411	1.000	0.1940		1.00	7.0136	10.800	0.1307	
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2467	0.3130
					1.00	9.7411	15.000	0.1940	
					1.00	10.5204	16.200	0.2375	
					1.00	11.2997	17.400	0.1773	
					ETA	Y	X	CP-UP	CP-LOW
BASE PRESSURES									
PORT	CP								
1	-0.4344								
2	-0.3795								
3	-0.3020								
4	-0.2449								

TABLE AIV.- Continued

(a) Continued

RUN 10	POINT 256	MACH 1.62	ALPHA 8.050	BETA 0.0	Q(PSF) 454.9	H0(PSF) 1084.2	P(PSF) 247.6	RE/FT(X10-6) 1.998	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1496	0.1345	16.20	9.7411	1.000	0.2116	0.1799
10.80	3.7873	0.540	-0.1525		17.40	6.1018	0.540	-0.1279	0.1883
10.80	4.3484	0.620	-0.1868		17.40	7.0058	0.620	-0.1677	0.1988
10.80	4.7692	0.680		0.1720	17.40	8.1358	0.720	-0.2841	0.2262
10.80	4.9095	0.700			17.40	9.7177	0.860	-0.3644	
10.80	5.0498	0.720	-0.2062		17.40				
10.80	6.0317	0.860	-0.3586		17.40	11.2997	1.000	0.1357	
10.80	6.4876	0.925	-0.3783	0.2519					
10.80	6.8032	0.970	-0.4003		19.80	6.9435	0.540	-0.1723	0.1684
10.80	6.9084	0.985	-0.3874	0.3549	19.80	7.9721	0.620	-0.1890	0.1829
10.80	7.0136	1.000	0.0987		19.80	9.2580	0.720	-0.2572	0.1893
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1304	0.1685					
13.20	3.9432	0.460	-0.1351		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1357	0.1799	0.54	3.7873	10.800	-0.1496	
13.20	4.9719	0.580	-0.1357		0.54	4.6290	13.200	-0.1357	0.1799
13.20	5.3148	0.620	-0.1361	0.1870	0.54	5.2602	15.000	-0.1274	
13.20	5.6576	0.660	-0.1812		0.54	6.1018	17.400	-0.1279	0.1799
13.20	5.8291	0.680	-0.1995		0.54	6.9435	19.800	-0.1723	0.1684
13.20	6.0005	0.700	-0.2805	0.1972					
13.20	6.1720	0.720	-0.2817		0.62	4.3484	10.800	-0.1525	
13.20	6.3434	0.740	-0.2961		0.62	5.3148	13.200	-0.1361	0.1870
13.20	6.6863	0.780	-0.2822	0.2130	0.62	6.0395	15.000	-0.1574	
13.20	7.0292	0.820	-0.3542		0.62	7.0058	17.400	-0.1677	0.1883
13.20	7.3721	0.860	-0.3561	0.2300	0.62	7.9721	19.800	-0.1890	0.1893
13.20	7.7150	0.900	-0.3677	0.2542					
13.20	7.9293	0.925	-0.3810	0.2712	0.72	5.0498	10.800	-0.2062	
13.20	8.1436	0.950	-0.3963	0.2991	0.72	6.1720	13.200	-0.2817	
13.20	8.3150	0.970	-0.3898	0.3284	0.72	7.0136	15.000	-0.2415	
13.20	8.4436	0.985	-0.3774	0.3785	0.72	8.1358	17.400	-0.2841	0.1988
13.20	8.5293	0.995	-0.2223	0.4238	0.72	9.2580	19.800	-0.2572	0.1893
13.20	8.5722	1.000	0.2188	0.2843					
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.3586	
					0.86	7.3721	13.200	-0.3561	0.2300
					0.86	8.3774	15.000	-0.3529	
					0.86	9.7177	17.400	-0.3644	0.2262
					1.00	7.0136	10.800	0.0987	
					1.00	8.5722	13.200	0.2188	0.2843
					1.00	9.7411	15.000	0.1595	
					1.00	10.5204	16.200	0.2116	
					1.00	11.2997	17.400	0.1357	
					ETA	Y	X	CP-UP	CP-LOW
BASE PRESSURES									
PORt	CP								
1	-0.4392								
2	-0.3922								
3	-0.3253								
4	-0.2487								

TABLE AIV.- Continued

(a) Concluded

RUN 10	POINT 257	MACH 1.62	ALPHA 9.050	BETA 0.0	Q(PSF) 454.9	H0(PSF) 1084.3	P(PSF) 247.6	RE/FT(X10-6) 1.999	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1680	0.1539	16.20	9.7411	1.000	0.1880	
10.80	3.7873	0.540	-0.1576		17.40	6.1018	0.540	-0.1475	0.2013
10.80	4.3484	0.620	-0.1576		17.40	7.0058	0.620	-0.2630	0.2119
10.80	4.7692	0.680	-0.2585		17.40	8.1358	0.720	-0.2870	0.2215
10.80	4.9095	0.700		0.1948	17.40	9.7177	0.860	-0.3777	0.2564
10.80	5.0498	0.720	-0.3167		17.40	11.2997	1.000	0.1024	
10.80	6.0317	0.860	-0.3758		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.3778	0.2793					
10.80	6.8032	0.970	-0.4005		19.80	6.9435	0.540	-0.2234	0.1912
10.80	6.9084	0.985	-0.4165	0.3776	19.80	7.9721	0.620	-0.2726	0.2039
10.80	7.0136	1.000	0.0739		19.80	9.2580	0.720	-0.2478	0.2135
13.20	3.4289	0.400	-0.1415	0.1918	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1476						
13.20	4.6290	0.540	-0.1469	0.2035	0.54	3.7873	10.800	-0.1680	
13.20	4.9719	0.580	-0.1368		0.54	4.6290	13.200	-0.1469	0.2035
13.20	5.3148	0.620	-0.1473	0.2107	0.54	5.2602	15.000	-0.1284	
13.20	5.6576	0.660	-0.2881		0.54	6.1018	17.400	-0.1475	0.2013
13.20	5.8291	0.680	-0.2961		0.54	6.9435	19.800	-0.2234	0.1912
13.20	6.0005	0.700	-0.3076	0.2213					
13.20	6.1720	0.720	-0.3101		0.62	4.3484	10.800	-0.1576	
13.20	6.3434	0.740	-0.3266		0.62	5.3148	13.200	-0.1473	0.2107
13.20	6.6863	0.780	-0.3380	0.2376	0.62	6.0395	15.000	-0.2590	
13.20	7.0292	0.820	-0.3736		0.62	7.0058	17.400	-0.2630	0.2119
13.20	7.3721	0.860	-0.3724	0.2608	0.62	7.9721	19.800	-0.2726	0.2135
13.20	7.7150	0.900	-0.3717	0.2797					
13.20	7.9293	0.925	-0.3737	0.3020	0.72	5.0498	10.800	-0.3167	
13.20	8.1436	0.950	-0.3767	0.3252	0.72	6.1720	13.200	-0.3101	
13.20	8.3150	0.970	-0.3877	0.3588	0.72	7.0136	15.000	-0.3004	
13.20	8.4436	0.985	-0.4044	0.4037	0.72	8.1358	17.400	-0.2870	0.2215
13.20	8.5293	0.995	-0.2522	0.4352	0.72	9.2580	19.800	-0.2478	0.2135
13.20	8.5722	1.000	0.1903	0.2526					
X	Y	ETA	CP-UP	CP-LOW	0.86	6.0317	10.800	-0.3758	
					0.86	7.3721	13.200	-0.3724	0.2608
					0.86	8.3774	15.000	-0.3722	
					0.86	9.7177	17.400	-0.3777	0.2564
BASE PRESSURES									
PORt	CP				1.00	7.0136	10.800	0.0739	
1	-0.4292				1.00	8.5722	13.200	0.1903	0.2526
2	-0.3881				1.00	9.7411	15.000	0.1358	
3	-0.3303				1.00	10.5204	16.200	0.1880	
4	-0.2602				1.00	11.2997	17.400	0.1024	
					ETA	Y	X	CP-UP	CP-LOW

TABLE AIV.- Continued

(b) $\delta_c = -5^\circ$

RUN 12	POINT 275	MACH 1.62	ALPHA 2.020	BETA 0.0	Q(PSF) 456.1	H0(PSF) 1087.1	P(PSF) 248.3	RE/FT(X10-6) 2.004	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.0405	0.0484	16.20	9.7411	1.000	0.3539	
10.80	3.7873	0.540	-0.0406		17.40	6.1018	0.540	-0.0283	0.0416
10.80	4.3484	0.620	-0.0406		17.40	7.0058	0.620	-0.0127	0.0505
10.80	4.7692	0.680	-0.0534		17.40	8.1358	0.720	-0.0243	0.0465
10.80	4.9095	0.700		0.0630	17.40	9.7177	0.860	-0.1551	0.0371
10.80	5.0498	0.720	-0.0670		17.40	11.2997	1.000	0.3287	
10.80	6.0317	0.860	-0.1902		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.1610	0.0492					
10.80	6.8032	0.970	-0.1126		19.80	6.9435	0.540	-0.0748	0.0390
10.80	6.9084	0.985	-0.1011	0.1368	19.80	7.9721	0.620	-0.0342	0.0453
10.80	7.0136	1.000	0.3166		19.80	9.2580	0.720	-0.0446	0.0380
13.20	3.4289	0.400	-0.0255	0.0463	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.0236		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.0209	0.0585	0.54	3.7873	10.800	-0.0405	
13.20	4.9719	0.580	-0.0192		0.54	4.6290	13.200	-0.0209	0.0585
13.20	5.3148	0.620	-0.0214	0.0608	0.54	5.2602	15.000	-0.0104	
13.20	5.6576	0.660	-0.0276		0.54	6.1018	17.400	-0.0283	0.0416
13.20	5.8291	0.680	-0.0349		0.54	6.9435	19.800	-0.0748	0.0390
13.20	6.0005	0.700	-0.0355	0.0610	X	Y	ETA	CP-UP	CP-LOW
13.20	6.1720	0.720	-0.0392		0.62	4.3484	10.800	-0.0406	
13.20	6.3434	0.740	-0.0426		0.62	5.3148	13.200	-0.0214	0.0608
13.20	6.6863	0.780	-0.0797	0.0577	0.62	6.0395	15.000	-0.0131	
13.20	7.0292	0.820	-0.1726		0.62	7.0058	17.400	-0.0127	0.0505
13.20	7.3721	0.860	-0.1680	0.0524	0.62	7.9721	19.800	-0.0342	0.0380
13.20	7.7150	0.900	-0.1524	0.0575	X	Y	ETA	CP-UP	CP-LOW
13.20	7.9293	0.925	-0.1562	0.0671	0.72	5.0498	10.800	-0.0670	
13.20	8.1436	0.950	-0.1631	0.0761	0.72	6.1720	13.200	-0.0392	
13.20	8.3150	0.970	-0.1106	0.0965	0.72	7.0136	15.000	-0.0326	
13.20	8.4436	0.985	-0.1008	0.1453	0.72	8.1358	17.400	-0.0243	0.0465
13.20	8.5293	0.995	0.0618	0.2256	0.72	9.2580	19.800	-0.0446	0.0380
13.20	8.5722	1.000	0.3650	0.3882	X	Y	ETA	CP-UP	CP-LOW
15.00	5.2602	0.540	-0.0104		0.86	6.0317	10.800	-0.1902	
15.00	6.0395	0.620	-0.0131		0.86	7.3721	13.200	-0.1680	0.0524
15.00	7.0136	0.720	-0.0326		0.86	8.3774	15.000	-0.1621	
15.00	8.3774	0.860	-0.1621		0.86	9.7177	17.400	-0.1551	0.0371
15.00	9.7411	1.000	0.3331		1.00	7.0136	10.800	0.3166	
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.3650	0.3882
BASE PRESSURES									
PORT	CP				1.00	9.7411	15.000	0.3331	
1	-0.3900				1.00	10.5204	16.200	0.3539	
2	-0.2998				1.00	11.2997	17.400	0.3287	
3	-0.2823				X	Y	ETA	CP-UP	CP-LOW
4	-0.2373								

TABLE AIV.-- Continued

(b) Continued

RUN 12	POINT 276	MACH 1.62	ALPHA 4.020	BETA 0.0	Q(PSF) 455.9	H0(PSF) 1086.5	P(PSF) 248.1	RE/FT(X10-6) 2.003
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.0779	0.0745	16.20	9.7411	1.000	0.3163
10.80	3.7873	0.540	-0.0798		17.40	6.1018	0.540	-0.0603 0.0947
10.80	4.3484	0.620	-0.0951		17.40	7.0058	0.620	-0.0561 0.0986
10.80	4.7692	0.680		0.0994	17.40	8.1358	0.720	-0.0891 0.1007
10.80	4.9095	0.700			17.40	9.7177	0.860	-0.2445 0.1063
10.80	5.0498	0.720	-0.1316		17.40	11.2997	1.000	0.2704
10.80	6.0317	0.860	-0.2622					
10.80	6.4876	0.925	-0.2523	0.1301				
10.80	6.8032	0.970	-0.2369		19.80	6.9435	0.540	-0.1023 0.0865
10.80	6.9084	0.985	-0.2287	0.2417	19.80	7.9721	0.620	-0.0657 0.0942
10.80	7.0136	1.000	0.2526		19.80	9.2580	0.720	-0.0971 0.0913
					X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.0516	0.0866				
13.20	3.9432	0.460	-0.0533		ETA	Y	X	CP-UP CP-LOW
13.20	4.6290	0.540	-0.0535	0.1017	0.54	3.7873	10.800	-0.0779
13.20	4.9719	0.580	-0.0541		0.54	4.6290	13.200	-0.0535 0.1017
13.20	5.3148	0.620	-0.0601	0.1023	0.54	5.2602	15.000	-0.0476
13.20	5.6576	0.660	-0.0670		0.54	6.1018	17.400	-0.0603 0.0947
13.20	5.8291	0.680	-0.0777		0.54	6.9435	19.800	-0.1023 0.0865
13.20	6.0005	0.700	-0.0856	0.1073				
13.20	6.1720	0.720	-0.0975		0.62	4.3484	10.800	-0.0798
13.20	6.3434	0.740	-0.1261		0.62	5.3148	13.200	-0.0601 0.1023
13.20	6.6863	0.780	-0.2133	0.1098	0.62	6.0395	15.000	-0.0528
13.20	7.0292	0.820	-0.2528		0.62	7.0058	17.400	-0.0561 0.0986
13.20	7.3721	0.860	-0.2490	0.1105	0.62	7.9721	19.800	-0.0657 0.0913
13.20	7.7150	0.900	-0.2409	0.1254				
13.20	7.9293	0.925	-0.2429	0.1378	0.72	5.0498	10.800	-0.1316
13.20	8.1436	0.950	-0.2567	0.1613	0.72	6.1720	13.200	-0.0975
13.20	8.3150	0.970	-0.2365	0.1753	0.72	7.0136	15.000	-0.0845
13.20	8.4436	0.985	-0.2255	0.2366	0.72	8.1358	17.400	-0.0891 0.1007
13.20	8.5293	0.995	-0.0550	0.3158	0.72	9.2580	19.800	-0.0971 0.0913
13.20	8.5722	1.000	0.3270	0.3722				
					0.86	6.0317	10.800	-0.2622
15.00	5.2602	0.540	-0.0476		0.86	7.3721	13.200	-0.2490 0.1105
15.00	6.0395	0.620	-0.0528		0.86	8.3774	15.000	-0.2407
15.00	7.0136	0.720	-0.0845		0.86	9.7177	17.400	-0.2445 0.1063
15.00	8.3774	0.860	-0.2407					
15.00	9.7411	1.000	0.2918		1.00	7.0136	10.800	0.2526
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.3270 0.3722
					1.00	9.7411	15.000	0.2918
					1.00	10.5204	16.200	0.3163
					1.00	11.2997	17.400	0.2704
					ETA	Y	X	CP-UP CP-LOW
BASE PRESSURES								
PORT	CP							
1	-0.4299							
2	-0.3157							
3	-0.2845							
4	-0.2378							

TABLE AIV.- Continued

(b) Continued

RUN 12	POINT 277	MACH 1.62	ALPHA 6.030	BETA 0.0	Q(PSF) 455.3	H(PSF) 1085.2	P(PSF) 247.9	RE/FT(X10-6) 2.000	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1120	0.1080	16.20	9.7411	1.000	0.2663	
10.80	3.7873	0.540	-0.1221		17.40	6.1018	0.540	-0.0941	0.1333
10.80	4.3484	0.620	-0.1262		17.40	7.0058	0.620	-0.1008	0.1400
10.80	4.7692	0.680		0.1413	17.40	8.1358	0.720	-0.1767	0.1450
10.80	4.9095	0.700	-0.2488		17.40	9.7177	0.860	-0.3188	0.1632
10.80	5.0498	0.720	-0.3172		17.40	11.2997	1.000	0.2092	
10.80	6.0317	0.860	-0.3255	0.1919	X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.3241		19.80	6.9435	0.540	-0.1305	0.1229
10.80	6.8032	0.970	-0.3194	0.3134	19.80	7.9721	0.620	-0.1049	0.1371
10.80	6.9084	0.985			19.80	9.2580	0.720	-0.1784	0.1367
10.80	7.0136	1.000	0.1864		X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.0881	0.1257	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.0857		0.54	3.7873	10.800	-0.1120	
13.20	4.6290	0.540	-0.0991	0.1402	0.54	4.6290	13.200	-0.0991	0.1402
13.20	4.9719	0.580	-0.0878		0.54	5.2602	15.000	-0.0892	
13.20	5.3148	0.620	-0.0990	0.1457	0.54	6.1018	17.400	-0.0941	0.1333
13.20	5.6576	0.660	-0.1319		0.54	6.9435	19.800	-0.1305	0.1229
13.20	5.8291	0.680	-0.1623		X	Y	ETA	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.1799	0.1555	0.62	4.3484	10.800	-0.1221	
13.20	6.1720	0.720	-0.1778		0.62	5.3148	13.200	-0.0990	0.1457
13.20	6.3434	0.740	-0.2260		0.62	6.0395	15.000	-0.1196	
13.20	6.6863	0.780	-0.2852	0.1609	0.62	7.0058	17.400	-0.1008	0.1400
13.20	7.0292	0.820	-0.3141		0.62	7.9721	19.800	-0.1049	0.1367
13.20	7.3721	0.860	-0.3177	0.1711	X	Y	ETA	CP-UP	CP-LOW
13.20	7.7150	0.900	-0.3181	0.1927	0.62	5.0498	10.800	-0.2488	
13.20	7.9293	0.925	-0.3227	0.2105	0.72	6.1720	13.200	-0.1778	
13.20	8.1436	0.950	-0.3335	0.2382	0.72	7.0136	15.000	-0.1704	
13.20	8.3150	0.970	-0.3252	0.2584	0.72	8.1358	17.400	-0.1767	0.1450
13.20	8.4436	0.985	-0.3115	0.3220	0.72	9.2580	19.800	-0.1784	0.1367
13.20	8.5293	0.995	-0.1420	0.3857	X	Y	ETA	CP-UP	CP-LOW
13.20	8.5722	1.000	0.2814	0.3415	0.86	6.0317	10.800	-0.3172	
15.00	5.2602	0.540	-0.0892		0.86	7.3721	13.200	-0.3177	0.1711
15.00	6.0395	0.620	-0.1196		0.86	8.3774	15.000	-0.3168	
15.00	7.0136	0.720	-0.1704		0.86	9.7177	17.400	-0.3188	0.1632
15.00	8.3774	0.860	-0.3168		1.00	7.0136	10.800	0.1864	
15.00	9.7411	1.000	0.2290	CP-LOW	1.00	8.5722	13.200	0.2814	0.3415
X	Y	ETA	CP-UP		1.00	9.7411	15.000	0.2290	
BASE PRESSURES									
PORt	CP				1.00	10.5204	16.200	0.2663	
1	-0.4291				1.00	11.2997	17.400	0.2092	
2	-0.3586				X	Y	ETA	CP-UP	CP-LOW
3	-0.3004								
4	-0.2426								

TABLE AIV.- Continued

(b) Continued

RUN 12	POINT 278	MACH 1.62	ALPHA 7.040	BETA 0.0	Q(PSF) 455.8	H0(PSF) 1086.4	P(PSF) 248.1	RE/FT(X10-6) 2.002
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP CP-LOW
10.80	2.8054	0.400	-0.1287	0.1288	16.20	9.7411	1.000	0.2388
10.80	3.7873	0.540	-0.1443		17.40	6.1018	0.540	-0.1088 0.1589
10.80	4.3484	0.620	-0.1443		17.40	7.0058	0.620	-0.1172 0.1642
10.80	4.7692	0.680	-0.1559		17.40	8.1358	0.720	-0.2555 0.1732
10.80	4.9095	0.700		0.1629	17.40	9.7177	0.860	-0.3443 0.1950
10.80	5.0498	0.720	-0.2865		17.40	11.2997	1.000	0.1780
10.80	6.0317	0.860	-0.3358		X	Y	ETA	CP-UP CP-LOW
10.80	6.4876	0.925	-0.3586	0.2293	19.80	6.9435	0.540	-0.1371 0.1498
10.80	6.8032	0.970	-0.3622		19.80	7.9721	0.620	-0.1285 0.1636
10.80	6.9084	0.985	-0.3511	0.3404	19.80	9.2580	0.720	-0.2356 0.1649
10.80	7.0136	1.000	0.1515		X	Y	ETA	CP-UP CP-LOW
13.20	3.4289	0.400	-0.1019	0.1448	ETA	Y	X	CP-UP CP-LOW
13.20	3.9432	0.460	-0.1058		0.54	3.7873	10.800	-0.1287
13.20	4.6290	0.540	-0.1241	0.1588	0.54	4.6290	13.200	-0.1241 0.1588
13.20	4.9719	0.580	-0.1094		0.54	5.2602	15.000	-0.0986
13.20	5.3148	0.620	-0.1090	0.1652	0.54	6.1018	17.400	-0.1088 0.1589
13.20	5.6576	0.660	-0.1550		0.54	6.9435	19.800	-0.1371 0.1498
13.20	5.8291	0.680	-0.2218		X	Y	ETA	CP-UP CP-LOW
13.20	6.0005	0.700	-0.2641	0.1744	0.62	4.3484	10.800	-0.1443
13.20	6.1720	0.720	-0.2432		0.62	5.3148	13.200	-0.1090 0.1652
13.20	6.3434	0.740	-0.2831		0.62	6.0395	15.000	-0.1514
13.20	6.6863	0.780	-0.3014	0.1850	0.62	7.0058	17.400	-0.1172 0.1642
13.20	7.0292	0.820	-0.3307		0.62	7.9721	19.800	-0.1285 0.1649
13.20	7.3721	0.860	-0.3443	0.1967	X	Y	ETA	CP-UP CP-LOW
13.20	7.7150	0.900	-0.3499	0.2230	0.62	8.1358	17.400	-0.2555 0.1732
13.20	7.9293	0.925	-0.3569	0.2411	0.72	9.2580	19.800	-0.2356 0.1649
13.20	8.1436	0.950	-0.3684	0.2699	0.72	10.5204	16.200	0.2388
13.20	8.3150	0.970	-0.3586	0.2946	1.00	11.2997	17.400	0.1780
13.20	8.4436	0.985	-0.3470	0.3522	1.00	13.200	0.2535	0.3224
13.20	8.5293	0.995	-0.1796	0.4090	1.00	15.000	0.2033	
13.20	8.5722	1.000	0.2535	0.3224	1.00	17.400	0.1515	
X	Y	ETA	CP-UP	CP-LOW	1.00	10.800	0.1515	
BASE PRESSURES								
PORt	CP				1.00	7.0136	13.200	
1	-0.4396				1.00	8.5722	0.2535	
2	-0.3705				1.00	9.7411	0.2033	
3	-0.3136				1.00	10.5204	0.1515	
4	-0.2467				1.00	11.2997	0.1515	

TABLE AIV.- Continued

(b) Continued

RUN 12	POINT 279	MACH 1.62	ALPHA 8.040	BETA 0.0	Q(PSF) 464.6	H(PSF) 1107.4	P(PSF) 252.9	RE/FT(X10-6) 2.041	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1467	0.1324	16.20	9.7411	1.000	0.2035	
10.80	3.7873	0.540	-0.2140		17.40	6.1018	0.540	-0.1450	0.1665
10.80	4.3484	0.620	-0.2362		17.40	7.0058	0.620	-0.1434	0.1747
10.80	4.7692	0.680	-0.1676		17.40	8.1358	0.720	-0.3071	0.1818
10.80	4.9095	0.700	-0.2987		17.40	9.7177	0.860	-0.3701	0.2081
10.80	5.0498	0.720	-0.3589		17.40	11.2997	1.000	0.1297	
10.80	6.0317	0.860			X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.3842	0.2415					
10.80	6.8032	0.970	-0.3918		19.80	6.9435	0.540	-0.1653	0.1559
10.80	6.9084	0.985	-0.3848	0.3434	19.80	7.9721	0.620	-0.1923	0.1709
10.80	7.0136	1.000	0.1024		19.80	9.2580	0.720	-0.2774	0.1750
13.20	3.4289	0.400	-0.1261	0.1594	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1275		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1601	0.1701	0.54	3.7873	10.800	-0.1467	
13.20	4.9719	0.580	-0.1723		0.54	4.6290	13.200	-0.1601	0.1701
13.20	5.3148	0.620	-0.1703	0.1782	0.54	5.2602	15.000	-0.1516	
13.20	5.6576	0.660	-0.2096		0.54	6.1018	17.400	-0.1450	0.1665
13.20	5.8291	0.680	-0.2691		0.54	6.9435	19.800	-0.1653	0.1559
13.20	6.0005	0.700	-0.2915	0.1865	X	Y	ETA	CP-UP	CP-LOW
13.20	6.1720	0.720	-0.2986		0.62	4.3484	10.800	-0.2140	
13.20	6.3434	0.740	-0.3189		0.62	5.3148	13.200	-0.1703	0.1782
13.20	6.6863	0.780	-0.3385	0.1993	0.62	6.0395	15.000	-0.1917	
13.20	7.0292	0.820	-0.3540		0.62	7.0058	17.400	-0.1434	0.1747
13.20	7.3721	0.860	-0.3613	0.2164	0.62	7.9721	19.800	-0.1923	0.1750
13.20	7.7150	0.900	-0.3746	0.2415	X	Y	ETA	CP-UP	CP-LOW
13.20	7.9293	0.925	-0.3855	0.2597	0.72	5.0498	10.800	-0.2987	
13.20	8.1436	0.950	-0.3970	0.2838	0.72	6.1720	13.200	-0.2986	
13.20	8.3150	0.970	-0.3890	0.3123	0.72	7.0136	15.000	-0.3111	
13.20	8.4436	0.985	-0.3762	0.3605	0.72	8.1358	17.400	-0.3071	0.1818
13.20	8.5293	0.995	-0.2208	0.4047	0.72	9.2580	19.800	-0.2774	0.1750
13.20	8.5722	1.000	0.2111	0.2712	X	Y	ETA	CP-UP	CP-LOW
15.00	5.2602	0.540	-0.1516		0.86	6.0317	10.800	-0.3589	
15.00	6.0395	0.620	-0.1917		0.86	7.3721	13.200	-0.3613	0.2164
15.00	7.0136	0.720	-0.3111		0.86	8.3774	15.000	-0.3597	
15.00	8.3774	0.860	-0.3597		0.86	9.7177	17.400	-0.3701	0.2081
15.00	9.7411	1.000	0.1573		1.00	7.0136	10.800	0.1024	
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2111	0.2712
BASE PRESSURES					1.00	9.7411	15.000	0.1573	
PORT CP					1.00	10.5204	16.200	0.2035	
1	-0.4483				1.00	11.2997	17.400	0.1297	
2	-0.3919				X	Y	ETA	CP-UP	CP-LOW
3	-0.3267								
4	-0.2554								

TABLE AIV.- Continued

(b) Continued

RUN	POINT	MACH	ALPHA	BETA	Q(PSF)	H0(PSF)	P(PSF)	RE/FT(X10-6)
12	279	1.62	8.040	0.0	455.7	1036.1	248.1	2.041

PRESSURES ADJUSTED TO CORRECT REFERENCE VALUES - SEE NOTE ON 1ST PAGE OF APP. A

X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400		0.1456	16.20	10.5204	1.000	0.2181	
10.80	3.7873	0.540	-0.1389						
10.80	4.3484	0.620	-0.2075		17.40	6.1018	0.540	-0.1372	0.1804
10.80	4.7692	0.680	-0.2302		17.40	7.0058	0.620	-0.1356	0.1888
10.80	4.9095	0.700		0.1815	17.40	8.1358	0.720	-0.3025	0.1960
10.80	5.0498	0.720	-0.2939		17.40	9.7177	0.860	-0.3667	0.2228
10.80	6.0317	0.860	-0.3553		17.40	11.2997	1.000	0.1429	
10.80	6.4876	0.925	-0.3811	0.2569					
10.80	6.8032	0.970	-0.3888		19.80	6.9435	0.540	-0.1579	0.1696
10.80	6.9084	0.985	-0.3817	0.3607	19.80	7.9721	0.620	-0.1854	0.1849
10.80	7.0136	1.000	0.1150		19.80	9.2580	0.720	-0.2722	0.1891
					X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.1179	0.1732					
13.20	3.9432	0.460	-0.1193		ETA	Y	X	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1526	0.1841	0.54	3.7873	10.800	-0.1389	
13.20	4.9719	0.580	-0.1650		0.54	4.6290	13.200	-0.1526	0.1841
13.20	5.1433	0.600	-0.1630	0.1923	0.54	5.2602	15.000	-0.1439	
13.20	5.6576	0.660	-0.2031		0.54	6.1018	17.400	-0.1372	0.1804
13.20	5.8291	0.680	-0.2637		0.54	6.9435	19.800	-0.1579	0.1696
13.20	6.0005	0.700	-0.2866	0.2008					
13.20	6.1720	0.720	-0.2938						
13.20	6.3434	0.740	-0.3145		0.62	4.3484	10.800	-0.2075	
13.20	6.6863	0.780	-0.3345	0.2138	0.62	6.0395	15.000	-0.1848	
13.20	7.0292	0.820	-0.3503		0.62	7.0058	17.400	-0.1356	0.1888
13.20	7.3721	0.860	-0.3577	0.2313	0.62	7.9721	19.800	-0.1854	0.1891
13.20	7.7150	0.900	-0.3713	0.2569					
13.20	7.9293	0.925	-0.3824	0.2754	0.72	5.0498	10.800	-0.2939	
13.20	8.1436	0.950	-0.3941	0.3000	0.72	6.1720	13.200	-0.2938	
13.20	8.3150	0.970	-0.3860	0.3290	0.72	7.0136	15.000	-0.3065	
13.20	8.4436	0.985	-0.3729	0.3782	0.72	8.1358	17.400	-0.3025	0.1960
13.20	8.5293	0.995	-0.2145	0.4232	0.72	9.2580	19.800	-0.2722	0.1891
13.20	8.5722	1.000	0.2259	0.2871					
					0.86	6.0317	10.800	-0.3553	
15.00	5.2602	0.540	-0.1439		0.86	7.3721	13.200	-0.3577	0.2313
15.00	6.0395	0.620	-0.1848		0.86	8.3774	15.000	-0.3561	
15.00	7.0136	0.720	-0.3065		0.86	9.7177	17.400	-0.3667	0.2228
15.00	8.3774	0.860	-0.3561						
15.00	9.7411	1.000	0.1710		1.00	7.0136	10.800	0.1150	
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2259	0.2871
					1.00	9.7411	15.000	0.1710	
					1.00	10.5204	16.200	0.2181	
					1.00	11.2997	17.400	0.1429	
							CP-UP	CP-LOW	
PORT	CP								
1	-0.4464								
2	-0.3889								
3	-0.3224								
4	-0.2497								

TABLE AIV.- Continued

(b) Concluded

RUN 12	POINT 285	MACH 1.62	ALPHA 9.020	BETA 0.0	Q(PSF) 455.3	H(PSF) 1085.2	P(PSF) 247.8	RE/FT(X10-6) 2.000	
10.80	2.8054	0.400							X
10.80	3.7873	0.540	-0.1512	0.1670		16.20	9.7411	1.000	CP-UP
10.80	4.3484	0.620	-0.2587			17.40	6.1018	0.540	CP-LOW
10.80	4.7692	0.680	-0.2882			17.40	7.0058	0.620	-0.1937
10.80	4.9095	0.700		0.2015		17.40	8.1358	0.720	0.2084
10.80	5.0498	0.720	-0.3035			17.40	9.7177	0.860	-0.2846
10.80	6.0317	0.860	-0.3742			17.40	11.2997	1.000	0.2187
10.80	6.4876	0.925	-0.3884	0.2850					X
10.80	6.8032	0.970	-0.4154			19.80	6.9435	0.540	0.1051
10.80	6.9084	0.985	-0.4097	0.3813		19.80	7.9721	0.620	-0.2188
10.80	7.0136	1.000	0.0817			19.80	9.2580	0.720	0.2508
									Y
13.20	3.4289	0.400	-0.1334	0.1950					CP-UP
13.20	3.9432	0.460	-0.1357			ETA	Y	CP-UP	CP-LOW
13.20	4.6290	0.540	-0.1744	0.2037		0.54	3.7873	10.800	
13.20	4.9719	0.580	-0.2325			0.54	4.6290	13.200	-0.1512
13.20	5.3148	0.620	-0.2316	0.2111		0.54	5.2602	15.000	-0.1744
13.20	5.6576	0.660	-0.2694			0.54	6.1018	17.400	-0.1902
13.20	5.8291	0.680	-0.2978			0.54	6.9435	19.800	-0.1937
13.20	6.0005	0.700	-0.2955	0.2210					0.2005
13.20	6.1720	0.720	-0.2880			0.62	4.3484	10.800	0.1925
13.20	6.3434	0.740	-0.3277			0.62	5.3148	13.200	-0.2188
13.20	6.6863	0.780	-0.3372	0.2370		0.62	6.0395	15.000	0.2111
13.20	7.0292	0.820	-0.3734			0.62	7.0058	17.400	-0.2380
13.20	7.3721	0.860	-0.3738	0.2577		0.62	7.9721	19.800	0.2084
13.20	7.7150	0.900	-0.3836	0.2816					X
13.20	7.9293	0.925	-0.3932	0.3040		0.72	5.0498	10.800	0.2104
13.20	8.1436	0.950	-0.4032	0.3298		0.72	6.1720	13.200	-0.2532
13.20	8.3150	0.970	-0.4130	0.3605		0.72	7.0136	15.000	0.2316
13.20	8.4436	0.985	-0.4005	0.4078		0.72	8.1358	17.400	-0.1744
13.20	8.5293	0.995	-0.2429	0.4410		0.72	9.2580	19.800	-0.1937
13.20	8.5722	1.000	0.2001	0.2593					Y
15.00	5.2602	0.540	-0.1902			0.86	6.0317	10.800	0.2508
15.00	6.0395	0.620	-0.2532			0.86	7.3721	13.200	-0.3745
15.00	7.0136	0.720	-0.3016			0.86	8.3774	15.000	-0.3742
15.00	8.3774	0.860	-0.3745			0.86	9.7177	17.400	-0.2577
15.00	9.7411	1.000	0.1357			1.00	7.0136	10.800	0.1357
	X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.0817
						1.00	9.7411	15.000	0.2593
						1.00	10.5204	16.200	0.1357
						1.00	11.2997	17.400	0.1051
						ETA	Y	CP-UP	CP-LOW
									X
									BASE PRESSURES
									PORT CP
	1	-0.4386							
	2	-0.3934							
	3	-0.3379							
	4	-0.2573							

TABLE AIV.- Continued

(c) $\delta_c = -10^\circ$

RUN 13	POINT 297	MACH 1.62	ALPHA 2.000	BETA 0.0	Q(PSF) 455.7	H0(PSF) 1086.2	P(PSF) 248.1	RE/FT(X10-6) 2.002	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400		0.0553	16.20	9.7411	1.000	0.3516	
10.80	3.7873	0.540	-0.0277		17.40	6.1018	0.540	-0.0226	0.0464
10.80	4.3484	0.620	-0.0267		17.40	7.0058	0.620	-0.0055	0.0561
10.80	4.7692	0.680	-0.0378		17.40	8.1358	0.720	-0.0147	0.0522
10.80	4.9095	0.700		0.0696	17.40	9.7177	0.860	-0.1579	0.0466
10.80	5.0498	0.720	-0.0818		17.40	11.2997	1.000	0.3208	
10.80	6.0317	0.860	-0.1884		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.1553	0.0573	19.80	6.9435	0.540	-0.0708	0.0437
10.80	6.8032	0.970	-0.0984		19.80	7.9721	0.620	-0.0232	0.0489
10.80	6.9084	0.985	-0.0872	0.1382	19.80	9.2580	0.720	-0.0288	0.0399
10.80	7.0136	1.000	0.3227		X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.0168	0.0564	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.0103		0.54	3.7873	10.800	-0.0277	
13.20	4.6290	0.540	-0.0076	0.0659	0.54	4.6290	13.200	-0.0076	0.0659
13.20	4.9719	0.580	-0.0058		0.54	5.2602	15.000	-0.0010	
13.20	5.3148	0.620	-0.0046	0.0693	0.54	6.1018	17.400	-0.0226	0.0464
13.20	5.6576	0.660	-0.0147		0.54	6.9435	19.800	-0.0708	0.0437
13.20	5.8291	0.680	-0.0243		0.62	4.3484	10.800	-0.0267	
13.20	6.0005	0.700	-0.0274	0.0695	0.62	5.3148	13.200	-0.0046	0.0693
13.20	6.1720	0.720	-0.0366		0.62	6.0395	15.000	-0.0017	
13.20	6.3434	0.740	-0.0453		0.62	7.0058	17.400	-0.0055	0.0561
13.20	6.6863	0.780	-0.1467	0.0668	0.62	7.9721	19.800	-0.0232	0.0399
13.20	7.0292	0.820	-0.1770		0.72	5.0498	10.800	-0.0818	
13.20	7.3721	0.860	-0.1672	0.0593	0.72	6.1720	13.200	-0.0366	
13.20	7.7150	0.900	-0.1519	0.0609	0.72	7.0136	15.000	-0.0232	
13.20	7.9293	0.925	-0.1554	0.0689	0.72	8.1358	17.400	-0.0147	0.0522
13.20	8.1436	0.950	-0.1625	0.0731	0.72	9.2580	19.800	-0.0288	0.0399
13.20	8.3150	0.970	-0.1016	0.0950	0.86	6.0317	10.800	-0.1884	
13.20	8.4436	0.985	-0.0918	0.1378	0.86	7.3721	13.200	-0.1672	0.0593
13.20	8.5293	0.995	0.0613	0.2192	0.86	8.3774	15.000	-0.1597	
13.20	8.5722	1.000	0.3688	0.3832	0.86	9.7177	17.400	-0.1579	0.0466
X	Y	ETA	CP-UP	CP-LOW	1.00	7.0136	10.800	0.3227	
					1.00	8.5722	13.200	0.3688	0.3832
					1.00	9.7411	15.000	0.3382	
					1.00	10.5204	16.200	0.3516	
					1.00	11.2997	17.400	0.3208	
BASE PRESSURES		ETA	Y	X	CP-UP	CP-LOW			
PORt	CP								
1	-0.3929								
2	-0.2865								
3	-0.2812								
4	-0.2394								

TABLE AIV.- Continued

(c) Continued

RUN 13	POINT 300	MACH 1.62	ALPHA 4.020	BETA 0.0	Q(PSF) 455.3	H0(PSF) 1085.2	P(PSF) 247.9	RE/FT(X10-6) 2.000	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.0865	0.0887	16.20	9.7411	1.000	0.3179	
10.80	3.7873	0.540	-0.0974		17.40	6.1018	0.540	-0.0505	0.0872
10.80	4.3484	0.620	-0.1270		17.40	7.0058	0.620	-0.0443	0.0919
10.80	4.7692	0.680		0.1121	17.40	8.1358	0.720	-0.0821	0.0972
10.80	4.9095	0.700	-0.1613		17.40	9.7177	0.860	-0.2362	0.1072
10.80	5.0498	0.720	-0.2500		17.40	11.2997	1.000	0.2719	
10.80	6.0317	0.860	-0.2352	0.1328	X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.2230		19.80	6.9435	0.540	-0.0949	0.0828
10.80	6.8032	0.970	-0.2149	0.2476	19.80	7.9721	0.620	-0.0557	0.0907
10.80	6.9084	0.985			19.80	9.2580	0.720	-0.0902	0.0844
10.80	7.0136	1.000	0.2658		X	Y	ETA	CP-UP	CP-LOW
13.20	3.4289	0.400	-0.0445	0.0882	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.0483		0.54	3.7873	10.800	-0.0865	
13.20	4.6290	0.540	-0.0453	0.1043	0.54	4.6290	13.200	-0.0453	0.1043
13.20	4.9719	0.580	-0.0435		0.54	5.2602	15.000	-0.0353	
13.20	5.3148	0.620	-0.0470	0.1085	0.54	6.1018	17.400	-0.0505	0.0872
13.20	5.6576	0.660	-0.0683		0.54	6.9435	19.800	-0.0949	0.0828
13.20	5.8291	0.680	-0.0826		X	Y	ETA	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.0998	0.1135	0.62	4.3484	10.800	-0.0974	
13.20	6.1720	0.720	-0.1281		0.62	5.3148	13.200	-0.0470	0.1085
13.20	6.3434	0.740	-0.1797		0.62	6.0395	15.000	-0.0457	
13.20	6.6863	0.780	-0.2454	0.1201	0.62	7.0058	17.400	-0.0443	0.0919
13.20	7.0292	0.820	-0.2374		0.62	7.9721	19.800	-0.0557	0.0844
13.20	7.3721	0.860	-0.2365	0.1215	X	Y	ETA	CP-UP	CP-LOW
13.20	7.7150	0.900	-0.2326	0.1370	0.72	5.0498	10.800	-0.1613	
13.20	7.9293	0.925	-0.2328	0.1500	0.72	6.1720	13.200	-0.1281	
13.20	8.1436	0.950	-0.2402	0.1746	0.72	7.0136	15.000	-0.0974	
13.20	8.3150	0.970	-0.2245	0.1868	0.72	8.1358	17.400	-0.0821	0.0972
13.20	8.4436	0.985	-0.2176	0.2500	0.72	9.2580	19.800	-0.0902	0.0844
13.20	8.5293	0.995	-0.0444	0.3166	0.86	6.0317	10.800	-0.2500	
13.20	8.5722	1.000	0.3315	0.3845	0.86	7.3721	13.200	-0.2365	0.1215
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.3315	0.3845
BASE PRESSURES									
PORT	CP				1.00	9.7411	15.000	0.2906	
1	-0.4247				1.00	10.5204	16.200	0.3179	
2	-0.3257				1.00	11.2997	17.400	0.2719	
3	-0.2811								
4	-0.2362								

TABLE AIV.- Continued

(c) Continued

RUN 13	POINT 304	MACH 1.62	ALPHA 6.020	BETA 0.0	Q(PSF) 454.7	H0(PSF) 1083.7	P(PSF) 247.5	RE/FT(X10-6) 1.997	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1453	0.1251	16.20	9.7411	1.000	0.2678	
10.80	3.7873	0.540			17.40	6.1018	0.540	-0.0827	0.1833
10.80	4.3484	0.620	-0.1600		17.40	7.0058	0.620	-0.0941	0.1383
10.80	4.7692	0.680	-0.1812		17.40	8.1358	0.720	-0.1981	0.1440
10.80	4.9095	0.700		0.1549	17.40	9.7177	0.860	-0.3101	0.1647
10.80	5.0498	0.720	-0.2421		17.40	11.2997	1.000	0.2130	
10.80	6.0317	0.860	-0.3115		X	Y	ETA	CP-UP	CP-LOW
10.80	6.4876	0.925	-0.3131	0.2084					
10.80	6.8032	0.970	-0.3170		19.80	6.9435	0.540	-0.1220	0.1270
10.80	6.9084	0.985	-0.3067	0.3167	19.80	7.9721	0.620	-0.1010	0.1370
10.80	7.0136	1.000	0.2021		19.80	9.2580	0.720	-0.1891	0.1344
13.20	3.4289	0.400	-0.0695	0.1245	X	Y	ETA	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.0914						
13.20	4.6290	0.540	-0.0864	0.1437	0.54	3.7873	10.800	-0.1453	
13.20	4.9719	0.580	-0.0981		0.54	4.6290	13.200	-0.0864	0.1437
13.20	5.3148	0.620	-0.1019	0.1505	0.54	5.2602	15.000	-0.0753	
13.20	5.6576	0.660	-0.1584		0.54	6.1018	17.400	-0.0827	0.1333
13.20	5.8291	0.680	-0.1671		0.54	6.9435	19.800	-0.1220	0.1270
13.20	6.0005	0.700	-0.1860	0.1566	X	Y	ETA	CP-UP	CP-LOW
13.20	6.1720	0.720	-0.2412		0.62	4.3484	10.800	-0.1600	
13.20	6.3434	0.740	-0.2770		0.62	5.3148	13.200	-0.1019	0.1505
13.20	6.6863	0.780	-0.3049	0.1676	0.62	6.0395	15.000	-0.0935	
13.20	7.0292	0.820	-0.3106		0.62	7.0058	17.400	-0.0941	0.1383
13.20	7.3721	0.860	-0.3087	0.1767	0.62	7.9721	19.800	-0.1010	0.1344
13.20	7.7150	0.900	-0.3103	0.1976	X	Y	ETA	CP-UP	CP-LOW
13.20	7.9293	0.925	-0.3131	0.2176	0.72	5.0498	10.800	-0.2421	
13.20	8.1436	0.950	-0.3261	0.2464	0.72	6.1720	13.200	-0.2412	
13.20	8.3150	0.970	-0.3173	0.2666	0.72	7.0136	15.000	-0.2188	
13.20	8.4436	0.985	-0.3051	0.3308	0.72	8.1358	17.400	-0.1981	0.1440
13.20	8.5293	0.995	-0.1320	0.3953	0.72	9.2580	19.800	-0.1891	0.1344
13.20	8.5722	1.000	0.2875	0.3563	X	Y	ETA	CP-UP	CP-LOW
15.00	5.2602	0.540	-0.0753		0.86	6.0317	10.800	-0.3115	
15.00	6.0395	0.620	-0.0935		0.86	7.3721	13.200	-0.3087	0.1767
15.00	7.0136	0.720	-0.2188		0.86	8.3774	15.000	-0.3067	
15.00	8.3774	0.860	-0.3067		0.86	9.7177	17.400	-0.3101	0.1647
15.00	9.7411	1.000	0.2346		1.00	7.0136	10.800	0.2021	
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2875	0.3563
BASE PRESSURES									
PORT	CP				1.00	10.5204	16.200	0.2678	
1	-0.4307				1.00	11.2997	17.400	0.2130	
2	-0.3555				ETA	Y	X	CP-UP	CP-LOW
3	-0.3033								
4	-0.2395								

TABLE AIV.- Continued

(c) Continued

RUN 13	POINT 307	MACH 1.62	ALPHA 7.020	BETA 0.0	Q(PSF) 454.9	H0(PSF) 1084.3	P(PSF) 247.6	RE/FT(X10-6) 1.999
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP
10.80	2.8054	0.400		0.1394	16.20	9.7411	1.000	0.2476
10.80	3.7873	0.540	-0.1392		17.40	6.1018	0.540	-0.1263
10.80	4.3484	0.620	-0.2155		17.40	7.0058	0.620	-0.1114
10.80	4.7692	0.680	-0.1929		17.40	8.1358	0.720	-0.2697
10.80	4.9095	0.700		0.1719	17.40	9.7177	0.860	0.1671
10.80	5.0498	0.720	-0.2886		17.40	11.2997	1.000	0.3401
10.80	6.0317	0.860	-0.3358		X	Y	0.1821	
10.80	6.4876	0.925	-0.3513	0.2341	19.80	6.9435	0.540	-0.1368
10.80	6.8032	0.970	-0.3519		19.80	7.9721	0.620	-0.1195
10.80	6.9084	0.985	-0.3463	0.3417	19.80	9.2580	0.720	-0.2527
10.80	7.0136	1.000	0.1590		X	Y	0.1621	
					ETA	CP-UP	CP-LOW	
13.20	3.4289	0.400	-0.0872	0.1438				
13.20	3.9432	0.460	-0.0889		ETA	Y	X	CP-UP
13.20	4.6290	0.540	-0.1302	0.1609	0.54	3.7873	10.800	0.1392
13.20	4.9719	0.580	-0.1086		0.54	4.6290	13.200	-0.1302
13.20	5.3148	0.620	-0.1397	0.1681	0.54	5.2602	15.000	0.1609
13.20	5.6576	0.660	-0.2145		0.54	6.1018	17.400	-0.1263
13.20	5.8291	0.680	-0.2480		0.54	6.9435	19.800	0.1499
13.20	6.0005	0.700	-0.2320	0.1796				
13.20	6.1720	0.720	-0.2650		0.62	4.3484	10.800	-0.2155
13.20	6.3434	0.740	-0.2876		0.62	5.3148	13.200	-0.1397
13.20	6.6863	0.780	-0.3194	0.1911	0.62	6.0395	15.000	0.1681
13.20	7.0292	0.820	-0.3342		0.62	7.0058	17.400	-0.1114
13.20	7.3721	0.860	-0.3415	0.2039	0.62	7.9721	19.800	0.1613
13.20	7.7150	0.900	-0.3404	0.2283				
13.20	7.9293	0.925	-0.3451	0.2461	0.72	5.0498	10.800	-0.2886
13.20	8.1436	0.950	-0.3607	0.2646	0.72	6.1720	13.200	-0.2650
13.20	8.3150	0.970	-0.3549	0.3038	0.72	7.0136	15.000	-0.2789
13.20	8.4436	0.985	-0.3357	0.3590	0.72	8.1358	17.400	-0.2697
13.20	8.5293	0.995	-0.1720	0.4143	0.72	9.2580	19.800	0.1671
13.20	8.5722	1.000	0.2621	0.3270				
					0.86	6.0317	10.800	-0.3358
15.00	5.2602	0.540	-0.0932		0.86	7.3721	13.200	-0.3415
15.00	6.0395	0.620	-0.1608		0.86	8.3774	15.000	-0.3369
15.00	7.0136	0.720	-0.2789		0.86	9.7177	17.400	-0.3401
15.00	8.3774	0.860	-0.3369					0.1933
15.00	9.7411	1.000	0.2051		1.00	7.0136	10.800	0.1590
X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2621
					1.00	9.7411	15.000	0.2051
					1.00	10.5204	16.200	0.2476
					1.00	11.2997	17.400	0.1821
					ETA	Y	X	CP-UP
								CP-LOW
BASE PRESSURES								
PORt	CP							
1	-0.4401							
2	-0.3703							
3	-0.3147							
4	-0.2457							

TABLE AIV.- Continued

(c) Continued

RUN 13	POINT 312	MACH 1.62	ALPHA 8.020	BETA 0.0	Q(PSF) 454.4	H0(PSF) 1083.0	P(PSF) 247.3	RE/FT(X10-6) 1.996			
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW		
10.80	2.8054	0.400	-0.1399	0.1603	16.20	9.7411	1.000	0.2174			
10.80	3.7873	0.540	-0.2834		17.40	6.1018	0.540	-0.1292	0.1769		
10.80	4.3484	0.620	-0.2262		17.40	7.0058	0.620	-0.1355	0.1831		
10.80	4.7692	0.680		0.1931	17.40	8.1358	0.720	-0.3144	0.1905		
10.80	4.9095	0.700	-0.2949		17.40	9.7177	0.860	-0.3575	0.2203		
10.80	5.0498	0.720	-0.3527		17.40	11.2997	1.000	0.1463			
10.80	6.0317	0.860		0.2673	X	Y	ETA	CP-UP	CP-LOW		
10.80	6.4876	0.925	-0.3798		19.80	6.9435	0.540	-0.1519	0.1700		
10.80	6.8032	0.970	-0.3885		19.80	7.9721	0.620	-0.1802	0.1802		
10.80	6.9084	0.985	-0.3788	0.3673	19.80	9.2580	0.720	-0.2657	0.1834		
10.80	7.0136	1.000	0.1249		X	Y	ETA	CP-UP	CP-LOW		
13.20	3.4289	0.400	-0.1062	0.1618	ETA	Y	X	CP-UP	CP-LOW		
13.20	3.9432	0.460	-0.0996		0.54	3.7873	10.800	-0.1399			
13.20	4.6290	0.540	-0.1838	0.1816	0.54	4.6290	13.200	-0.1838	0.1816		
13.20	4.9719	0.580	-0.1569		0.54	5.2602	15.000	-0.1272			
13.20	5.3148	0.620	-0.1691	0.1897	0.54	6.1018	17.400	-0.1292	0.1769		
13.20	5.6576	0.660	-0.2482		0.54	6.9435	19.800	-0.1519	0.1700		
13.20	5.8291	0.680	-0.2869		X	Y	ETA	CP-UP	CP-LOW		
13.20	6.0005	0.700	-0.2923	0.2008	0.62	4.3484	10.800	-0.2834			
13.20	6.1720	0.720	-0.3103		0.62	5.3148	13.200	-0.1691	0.1897		
13.20	6.3434	0.740	-0.3133		0.62	6.0395	15.000	-0.2067			
13.20	6.6863	0.780	-0.3372	0.2178	0.62	7.0058	17.400	-0.1355	0.1831		
13.20	7.0292	0.820	-0.3492		0.62	7.9721	19.800	-0.1802	0.1834		
13.20	7.3721	0.860	-0.3581	0.2328	0.62	X	Y	ETA	CP-UP	CP-LOW	
13.20	7.7150	0.900	-0.3698	0.2575	0.72	5.0498	10.800	-0.2949			
13.20	7.9293	0.925	-0.3740	0.2810	0.72	6.1720	13.200	-0.3103			
13.20	8.1436	0.950	-0.3905	0.3061	0.72	7.0136	15.000	-0.3159			
13.20	8.3150	0.970	-0.3811	0.3402	0.72	8.1358	17.400	-0.3144	0.1905		
13.20	8.4436	0.985	-0.3684	0.3943	0.72	9.2580	19.800	-0.2657	0.1834		
13.20	8.5293	0.995	-0.2106	0.4363	0.72	X	Y	ETA	CP-UP	CP-LOW	
13.20	8.5722	1.000	0.2359	0.3096	0.86	6.0317	10.800	-0.3527			
15.00	5.2602	0.540	-0.1272		0.86	7.3721	13.200	-0.3581	0.2328		
15.00	6.0395	0.620	-0.2067		0.86	8.3774	15.000	-0.3572			
15.00	7.0136	0.720	-0.3159		0.86	9.7177	17.400	-0.3575	0.2203		
15.00	8.3774	0.860	-0.3572		X	Y	ETA	CP-UP	CP-LOW		
15.00	9.7411	1.000	0.1721	CP-UP	CP-LOW	1.00	7.0136	10.800	0.1249		
	X	Y	ETA	CP-UP	CP-LOW	1.00	8.5722	13.200	0.2359	0.3096	
						1.00	9.7411	15.000	0.1721		
						1.00	10.5204	16.200	0.2174		
						1.00	11.2997	17.400	0.1463		
						X	Y	ETA	CP-UP	CP-LOW	
BASE PRESSURES											
PORT	CP										
1	-0.4367										
2	-0.3851										
3	-0.3131										
4	-0.2514										

TABLE AIV.- Concluded

(c) Concluded

RUN 13	POINT 313	MACH 1.62	ALPHA 9.020	BETA 0.0	Q(PSF) 454.1	H(PSF) 1082.2	P(PSF) 247.2	RE/FT(X10-6) 1.995	
X	Y	ETA	CP-UP	CP-LOW	X	Y	ETA	CP-UP	CP-LOW
10.80	2.8054	0.400	-0.1614	0.1761	16.20	9.7411	1.000	0.2011	0.2022
10.80	3.7873	0.540	-0.3081		17.40	6.1018	0.540	-0.1798	0.2191
10.80	4.3484	0.620	-0.2619		17.40	7.0058	0.620	-0.2191	0.2103
10.80	4.7692	0.680	-0.2151		17.40	8.1358	0.720	-0.3077	0.2189
10.80	5.0498	0.720	-0.3209		17.40	9.7177	0.860	-0.3760	0.2504
10.80	6.0317	0.860	-0.3727		17.40	11.2997	1.000	0.1230	
10.80	6.4876	0.925	-0.3984	0.2929	X	Y	ETA	CP-UP	CP-LOW
10.80	6.8032	0.970	-0.4167		19.80	6.9435	0.540	-0.1997	0.1932
10.80	6.9084	0.985	-0.4076	0.3877	19.80	7.9721	0.620	-0.2246	0.2074
10.80	7.0136	1.000	0.0986		19.80	9.2580	0.720	-0.2984	0.2116
13.20	3.4289	0.400	-0.1134	0.1868	ETA	Y	X	CP-UP	CP-LOW
13.20	3.9432	0.460	-0.1074		0.54	3.7873	10.800	-0.1614	
13.20	4.6290	0.540	-0.2384	0.2069	0.54	4.6290	13.200	-0.2384	0.2069
13.20	4.9719	0.580	-0.2097		0.54	5.2602	15.000	-0.1715	
13.20	5.3148	0.620	-0.2137	0.2155	0.54	6.1018	17.400	-0.1798	0.2022
13.20	5.6576	0.660	-0.2738		0.54	6.9435	19.800	-0.1997	0.1932
13.20	5.8291	0.680	-0.2961		X	Y	ETA	CP-UP	CP-LOW
13.20	6.0005	0.700	-0.2940	0.2274	0.62	4.3484	10.800	-0.3081	
13.20	6.1720	0.720	-0.3146		0.62	5.3148	13.200	-0.2137	0.2155
13.20	6.3434	0.740	-0.3367		0.62	6.0395	15.000	-0.2336	
13.20	6.6863	0.780	-0.3549	0.2458	0.62	7.0058	17.400	-0.2191	0.2103
13.20	7.0292	0.820	-0.3682		0.62	7.9721	19.800	-0.2246	0.2116
13.20	7.3721	0.860	-0.3693	0.2612	0.62				
13.20	7.7150	0.900	-0.3833	0.2864	0.72	5.0498	10.800	-0.3209	
13.20	7.9293	0.925	-0.3984	0.3063	0.72	6.1720	13.200	-0.3146	
13.20	8.1436	0.950	-0.4130	0.3303	0.72	7.0136	15.000	-0.3302	
13.20	8.3150	0.970	-0.4092	0.3609	0.72	8.1358	17.400	-0.3077	0.2189
13.20	8.4436	0.985	-0.3985	0.4104	0.72	9.2580	19.800	-0.2984	0.2116
13.20	8.5293	0.995	-0.2301	0.4467	0.72				
13.20	8.5722	1.000	0.2146	0.2717	0.86	6.0317	10.800	-0.3727	
15.00	5.2602	0.540	-0.1715		0.86	7.3721	13.200	-0.3693	0.2612
15.00	6.0395	0.620	-0.2336		0.86	8.3774	15.000	-0.3721	
15.00	7.0136	0.720	-0.3302		0.86	9.7177	17.400	-0.3760	0.2504
15.00	8.3774	0.860	-0.3721		1.00	7.0136	10.800	0.0986	
15.00	9.7411	1.000	0.1523		1.00	8.5722	13.200	0.2146	0.2717
X	Y	ETA	CP-UP	CP-LOW	1.00	9.7411	15.000	0.1523	
BASE PRESSURES									
PORT	CP				1.00	10.5204	16.200	0.2011	
1	-0.4313				1.00	11.2997	17.400	0.1230	
2	-0.3795				ETA	Y	X	CP-UP	CP-LOW
3	-0.3338								
4	-0.2615								

APPENDIX B

FORCE AND MOMENT DATA

Force and moment data for the configurations tested are given in this appendix as a function of angle of attack. This compilation also serves as a key to the run schedule that is to be used with the pressure data presented in appendix A.

TABLE BI.- FORCE AND MOMENT RESULTS

[M = 1.62; R = 2.0 × 10⁶ per foot]

RUN	PT	ALPHA	CN	CA	CL	CD	CM	CAC	CAB	CDC	CDB	L/D	PT
NOSE 2, CANARD OFF													
1	15	8.10	0.2552	0.0317	0.2482	0.0673	0.0293	0.0120	0.0067	0.0119	0.0067	3.6854	15
1	16	9.00	0.2971	0.0289	0.2890	0.0751	0.0333	0.0122	0.0068	0.0121	0.0067	3.8496	16
1	17	10.00	0.3434	0.0260	0.3337	0.0853	0.0377	0.0124	0.0069	0.0122	0.0068	3.9124	17
NOSE 2, CANARD OFF													
2	36	8.02	0.2507	0.0320	0.2438	0.0667	0.0288	0.0117	0.0067	0.0116	0.0067	3.6552	36
2	37	8.02	0.2508	0.0320	0.2439	0.0667	0.0288	0.0117	0.0067	0.0116	0.0067	3.6572	37
2	38	9.00	0.2961	0.0291	0.2879	0.0751	0.0332	0.0119	0.0068	0.0118	0.0067	3.8350	38
2	39	10.02	0.3439	0.0261	0.3341	0.0855	0.0378	0.0122	0.0069	0.0120	0.0068	3.9088	39
2	40	11.01	0.3900	0.0232	0.3784	0.0972	0.0421	0.0124	0.0070	0.0122	0.0069	3.8916	40
2	41	11.98	0.4355	0.0204	0.4218	0.1103	0.0462	0.0127	0.0071	0.0124	0.0070	3.8226	41
NOSE 1, CANARD OFF													
3	61	8.03	0.2501	0.0190	0.2450	0.0538	0.0262	0.0124	0.0067	0.0123	0.0067	4.5575	61
3	62	9.01	0.2959	0.0161	0.2898	0.0623	0.0304	0.0126	0.0068	0.0124	0.0067	4.6547	62
3	63	9.99	0.3414	0.0132	0.3339	0.0722	0.0345	0.0128	0.0069	0.0126	0.0068	4.6223	63
3	64	11.02	0.3895	0.0102	0.3803	0.0845	0.0388	0.0130	0.0070	0.0128	0.0069	4.5022	64
NOSE 1, CANARD OFF													
4	83	8.00	0.2485	0.0184	0.2435	0.0528	0.0264	0.0122	0.0067	0.0120	0.0067	4.6110	83
4	84	8.98	0.2940	0.0156	0.2879	0.0613	0.0305	0.0125	0.0068	0.0123	0.0067	4.6988	84
4	85	9.98	0.3397	0.0128	0.3324	0.0714	0.0347	0.0128	0.0069	0.0126	0.0068	4.6529	85
4	86	10.96	0.3856	0.0099	0.3766	0.0830	0.0388	0.0131	0.0070	0.0128	0.0069	4.5379	86
4	87	11.99	0.4338	0.0070	0.4228	0.0970	0.0430	0.0133	0.0071	0.0130	0.0070	4.3605	87
4	88	12.00	0.4342	0.0069	0.4232	0.0970	0.0430	0.0133	0.0071	0.0131	0.0070	4.3614	88
NOSE 1, CANARD ON CANARD INCIDENCE=0.0													
5	111	7.89	0.2564	0.0197	0.2513	0.0547	0.0349	0.0121	0.0067	0.0120	0.0067	4.5932	111
5	112	8.93	0.3072	0.0165	0.3009	0.0640	0.0410	0.0122	0.0068	0.0121	0.0067	4.7018	112
5	113	9.95	0.3560	0.0135	0.3483	0.0748	0.0467	0.0125	0.0069	0.0123	0.0068	4.6587	113
5	114	10.93	0.4038	0.0106	0.3945	0.0870	0.0522	0.0127	0.0070	0.0125	0.0069	4.5352	114
5	115	11.96	0.4543	0.0077	0.4429	0.1017	0.0579	0.0129	0.0071	0.0127	0.0070	4.3569	115
NOSE 1, CANARD ON CANARD INCIDENCE=-5.0													
6	125	7.99	0.2553	0.0192	0.2501	0.0545	0.0299	0.0121	0.0067	0.0120	0.0067	4.5875	125
6	126	6.01	0.1603	0.0257	0.1568	0.0424	0.0184	0.0118	0.0066	0.0117	0.0066	3.6996	126
6	127	4.01	0.0649	0.0321	0.0625	0.0366	0.0065	0.0119	0.0068	0.0118	0.0067	1.7083	127
6	128	2.01	-0.0290	0.0386	-0.0304	0.0376	-0.0055	0.0126	0.0070	0.0126	0.0070	-0.8077	128
6	129	9.03	0.3060	0.0158	0.2997	0.0636	0.0359	0.0123	0.0068	0.0121	0.0067	4.7121	129
6	130	10.02	0.3539	0.0126	0.3463	0.0740	0.0415	0.0125	0.0069	0.0123	0.0068	4.6772	130
6	131	11.02	0.4022	0.0095	0.3930	0.0862	0.0471	0.0127	0.0070	0.0125	0.0069	4.5604	131
6	132	12.01	0.4502	0.0064	0.4390	0.0999	0.0526	0.0129	0.0071	0.0126	0.0070	4.3928	132
NOSE 1, CANARD ON CANARD INCIDENCE=-10.0													
7	142	7.99	0.2491	0.0202	0.2439	0.0546	0.0248	0.0121	0.0067	0.0120	0.0067	4.4635	142
7	143	9.02	0.2992	0.0167	0.2928	0.0634	0.0307	0.0123	0.0068	0.0121	0.0067	4.6171	143
7	144	10.01	0.3467	0.0135	0.3391	0.0735	0.0363	0.0125	0.0069	0.0123	0.0068	4.6113	144
7	145	11.03	0.3962	0.0101	0.3870	0.0857	0.0419	0.0127	0.0070	0.0124	0.0069	4.5157	145
7	146	11.99	0.4430	0.0070	0.4319	0.0989	0.0471	0.0128	0.0071	0.0125	0.0070	4.3679	146
RUN	PT	ALPHA	CN	CA	CL	CD	CM	CAC	CAB	CDC	CDB	L/D	PT

TABLE BI.- Concluded

RUN	PT	ALPHA	CN	CA	CL	CD	CM	CAC	CAB	CDC	CDB	L/D	PT
NOSE 1, CANARD ON CANARD INCIDENCE=0.0													
8 188	8.01	0.2626	0.0193	0.2574	0.0557	0.0356	0.0121	0.0067	0.0120	0.0067	4.6188	188	
8 189	9.00	0.3105	0.0163	0.3042	0.0646	0.0413	0.0123	0.0068	0.0121	0.0067	4.7067	189	
8 190	9.02	0.3115	0.0162	0.3051	0.0648	0.0414	0.0123	0.0068	0.0121	0.0067	4.7062	190	
8 191	10.01	0.3592	0.0132	0.3514	0.0755	0.0470	0.0125	0.0069	0.0123	0.0068	4.6570	191	
8 192	10.01	0.3555	0.0126	0.3479	0.0743	0.0465	0.0127	0.0069	0.0125	0.0068	4.6843	192	
8 193	11.03	0.4085	0.0102	0.3990	0.0882	0.0527	0.0127	0.0070	0.0125	0.0069	4.5232	193	
8 194	12.03	0.4569	0.0074	0.4453	0.1025	0.0581	0.0130	0.0071	0.0127	0.0070	4.3455	194	
FLAT WING													
NOSE 1, CANARD ON CANARD INCIDENCE=0.0													
10 249	-1.95	-0.0898	0.0317	-0.0886	0.0347	-0.0123	0.0115	0.0063	0.0115	0.0063	-2.5549	249	
10 250	0.03	-0.0014	0.0313	-0.0014	0.0313	-0.0017	0.0109	0.0062	0.0109	0.0062	-0.0442	250	
10 252	2.04	0.0919	0.0310	0.0907	0.0342	0.0097	0.0112	0.0063	0.0112	0.0063	2.6532	252	
10 253	3.97	0.1794	0.0305	0.1769	0.0428	0.0202	0.0117	0.0064	0.0117	0.0064	4.1293	253	
10 254	6.03	0.2719	0.0302	0.2672	0.0586	0.0313	0.0122	0.0066	0.0122	0.0066	4.5617	254	
10 255	6.98	0.3149	0.0300	0.3089	0.0681	0.0363	0.0125	0.0068	0.0124	0.0067	4.5379	255	
10 256	8.05	0.3622	0.0298	0.3544	0.0802	0.0417	0.0129	0.0070	0.0128	0.0069	4.4192	256	
10 257	9.05	0.4074	0.0296	0.3977	0.0933	0.0466	0.0132	0.0071	0.0131	0.0070	4.2643	257	
NOSE 1, CANARD ON CANARD INCIDENCE=0.0 MODEL INVERTED													
11 258	-2.03	-0.0929	0.0318	-0.0918	0.0351	-0.0124	0.0113	0.0063	0.0113	0.0063	-2.6167	258	
11 259	-0.01	-0.0014	0.0309	-0.0014	0.0309	-0.0014	0.0106	0.0062	0.0106	0.0062	-0.0444	259	
11 260	1.99	0.0885	0.0303	0.0873	0.0334	0.0095	0.0101	0.0063	0.0101	0.0063	2.6169	260	
11 261	3.96	0.1760	0.0298	0.1735	0.0419	0.0201	0.0106	0.0064	0.0105	0.0064	4.1439	261	
11 262	5.96	0.2675	0.0295	0.2630	0.0571	0.0310	0.0111	0.0066	0.0110	0.0066	4.6048	262	
NOSE 1, CANARD ON CANARD INCIDENCE=-5.0													
12 275	2.02	0.0879	0.0322	0.0868	0.0353	0.0047	0.0111	0.0063	0.0111	0.0063	2.4559	275	
12 276	4.02	0.1785	0.0314	0.1758	0.0438	0.0157	0.0116	0.0064	0.0116	0.0064	4.0111	276	
12 277	6.03	0.2689	0.0309	0.2641	0.0590	0.0264	0.0122	0.0066	0.0122	0.0066	4.4765	277	
12 278	7.04	0.3144	0.0305	0.3083	0.0689	0.0316	0.0125	0.0068	0.0124	0.0067	4.4764	278	
12 279	8.04	0.3514	0.0287	0.3439	0.0776	0.0359	0.0131	0.0070	0.0130	0.0069	4.4295	279	
12 280	9.04	0.4034	0.0296	0.3937	0.0926	0.0415	0.0130	0.0071	0.0129	0.0070	4.2531	280	
12 285	9.02	0.4028	0.0295	0.3932	0.0923	0.0415	0.0130	0.0071	0.0128	0.0070	4.2598	285	
NOSE 1, CANARD ON CANARD INCIDENCE=-10.0													
13 297	2.00	0.0843	0.0350	0.0830	0.0379	0.0004	0.0112	0.0063	0.0112	0.0063	2.1902	297	
13 300	4.02	0.1740	0.0337	0.1712	0.0458	0.0108	0.0116	0.0064	0.0115	0.0064	3.7375	300	
13 304	6.02	0.2639	0.0326	0.2590	0.0601	0.0214	0.0121	0.0066	0.0121	0.0066	4.3103	304	
13 307	7.02	0.3089	0.0319	0.3027	0.0694	0.0266	0.0124	0.0068	0.0123	0.0067	4.3602	307	
13 312	8.02	0.3535	0.0313	0.3456	0.0803	0.0316	0.0127	0.0070	0.0125	0.0069	4.3045	312	
13 313	9.02	0.3988	0.0306	0.3890	0.0928	0.0367	0.0128	0.0071	0.0127	0.0070	4.1927	313	
NOSE 1, CANARD OFF													
14 333	1.99	0.0914	0.0303	0.0903	0.0334	0.0101	0.0113	0.0063	0.0113	0.0063	2.7013	333	
14 334	4.00	0.1806	0.0300	0.1781	0.0425	0.0183	0.0117	0.0064	0.0117	0.0064	4.1896	334	
14 336	6.03	0.2706	0.0301	0.2660	0.0583	0.0264	0.0122	0.0066	0.0121	0.0066	4.5587	336	
14 339	7.03	0.3150	0.0300	0.3090	0.0684	0.0303	0.0125	0.0068	0.0124	0.0067	4.5191	339	
14 341	8.02	0.3572	0.0299	0.3495	0.0794	0.0338	0.0127	0.0070	0.0126	0.0069	4.4010	341	
14 345	9.03	0.3997	0.0298	0.3901	0.0921	0.0374	0.0128	0.0071	0.0127	0.0070	4.2353	345	
RUN	PT	ALPHA	CN	CA	CL	CD	CM	CAC	CAB	CDC	CDB	L/D	PT

APPENDIX C

FORCE AND MOMENT DATA FROM REFERENCE 2

The tables for force and moment data for the wing-alone tests were inadvertently left out of reference 2 and are included herein for completeness.

TABLE CI.- FLAT-WING FORCE AND MOMENT DATA WITH FREE TRANSITION

ALPHA, DEG	CN	CA	CL	CD	L/D	CM	CAC	CAB	CDC	CDB	ALPHA, DEG
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M= 1.60, RE/M= 6.6 MILLION

-4.25	-.1736	.0135	-.1721	.0264	-6.5304	-.0101	.0113	.0081	.0113	.0081	-4.25
-2.24	-.0787	.0140	-.0781	.0171	-4.5692	-.0017	.0112	.0081	.0112	.0081	-2.24
-1.19	-.0294	.0144	-.0291	.0150	-1.9448	.0028	.0113	.0081	.0113	.0081	-1.19
-.20	.0163	.0147	.0163	.0147	1.1143	.0073	.0113	.0081	.0113	.0081	-.20
.81	.0631	.0151	.0629	.0160	3.9279	.0116	.0113	.0081	.0113	.0081	.81
1.77	.1065	.0149	.1060	.0182	5.8128	.0157	.0114	.0082	.0114	.0082	1.77
3.85	.2041	.0154	.2026	.0291	6.9552	.0247	.0114	.0083	.0114	.0082	3.85
5.78	.2933	.0164	.2902	.0459	6.3289	.0325	.0115	.0083	.0115	.0083	5.78
6.80	.3401	.0169	.3357	.0570	5.8882	.0365	.0116	.0084	.0115	.0083	6.80
7.83	.3864	.0174	.3804	.0699	5.4424	.0402	.0116	.0084	.0115	.0083	7.83
8.78	.4294	.0180	.4217	.0834	5.0587	.0437	.0118	.0084	.0117	.0063	8.78

M= 1.62, RE/M= 6.6 MILLION

-4.22	-.1696	.0131	-.1682	.0255	-6.5951	-.0099	.0112	.0081	.0112	.0081	-4.22
-2.22	-.0762	.0136	-.0756	.0166	-4.5672	-.0016	.0111	.0081	.0111	.0081	-2.22
-1.20	-.0277	.0139	-.0274	.0145	-1.8915	.0029	.0112	.0081	.0112	.0081	-1.20
-.20	.0176	.0144	.0176	.0143	1.2338	.0073	.0111	.0061	.0111	.0081	-.20
.78	.0625	.0149	.0623	.0158	3.9434	.0115	.0111	.0081	.0111	.0081	.78
1.80	.1082	.0150	.1077	.0184	5.8657	.0158	.0111	.0081	.0111	.0081	1.80
3.79	.2005	.0155	.1990	.0287	6.9411	.0242	.0112	.0081	.0112	.0081	3.79
5.79	.2920	.0165	.2888	.0458	6.3033	.0322	.0113	.0082	.0112	.0081	5.79
6.80	.3391	.0170	.3347	.0571	5.8640	.0362	.0113	.0082	.0113	.0081	6.80
7.82	.3840	.0175	.3780	.0696	5.4336	.0399	.0114	.0082	.0113	.0081	7.82
8.79	.4274	.0181	.4196	.0832	5.0440	.0433	.0116	.0082	.0114	.0081	8.79

M= 1.70, RE/M= 6.6 MILLION

-.18	.0200	.0141	.0201	.0140	1.4328	.0068	.0106	.0076	.0106	.0075	-.18
1.83	.1086	.0144	.1081	.0179	6.0430	.0150	.0106	.0076	.0106	.0076	1.83
3.84	.1967	.0152	.1952	.0283	6.8903	.0229	.0107	.0077	.0106	.0077	3.84
5.84	.2844	.0161	.2813	.0449	6.2590	.0305	.0107	.0078	.0106	.0078	5.84

TABLE CI.- Concluded

ALPHA, DEG	CN	CA	CL	CD	L/D	CM	CAC	CAB	CDC	CDB	ALPHA, DEG
M= 1.86, RE/M= 6.6 MILLION											
-3.94	-.1385	.0127	-.1373	.0222	-6.1971	-.0082	.0099	.0070	.0099	.0069	-3.94
-1.99	-.0580	.0125	-.0576	.0145	-3.9603	-.0015	.0099	.0070	.0099	.0069	-1.99
-.98	-.0146	.0129	-.0144	.0131	-1.0990	.0024	.0099	.0070	.0099	.0069	-.98
.06	.0299	.0134	.0298	.0134	2.2240	.0066	.0099	.0070	.0099	.0069	.06
1.05	.0711	.0138	.0709	.0151	4.6916	.0104	.0099	.0070	.0099	.0069	1.05
2.06	.1118	.0141	.1112	.0181	6.1505	.0140	.0099	.0070	.0099	.0069	2.06
4.05	.1945	.0151	.1930	.0288	6.7060	.0212	.0099	.0070	.0099	.0069	4.05
6.05	.2727	.0161	.2715	.0449	6.0443	.0282	.0098	.0070	.0098	.0069	6.05
M= 2.00, RE/M= 6.6 MILLION											
-4.28	-.1433	.0123	-.1420	.0230	-6.1813	-.0091	.0093	.0063	.0093	.0062	-4.28
-2.28	-.0652	.0125	-.0647	.0151	-4.2915	-.0023	.0093	.0063	.0093	.0062	-2.28
-1.29	-.0271	.0125	-.0268	.0131	-2.0446	.0012	.0093	.0063	.0093	.0062	-1.29
-.29	.0119	.0128	.0120	.0128	.9389	.0048	.0092	.0063	.0092	.0062	-.29
.71	.0529	.0133	.0527	.0140	3.7664	.0083	.0093	.0063	.0093	.0062	.71
1.70	.0901	.0138	.0896	.0164	5.4562	.0118	.0093	.0063	.0093	.0062	1.70
3.72	.1676	.0146	.1663	.0255	6.5278	.0186	.0092	.0063	.0092	.0062	3.72
5.69	.2427	.0157	.2400	.0397	6.0509	.0251	.0091	.0063	.0091	.0062	5.69
M= 1.62, RE/M= 13.1 MILLION											
-.21	.0183	.0158	.0184	.0157	1.1693	.0075	.0095	.0081	.0095	.0081	-.21
1.85	.1132	.0163	.1126	.0200	5.6386	.0161	.0095	.0081	.0095	.0081	1.85
3.84	.2042	.0170	.2026	.0307	6.6070	.0247	.0096	.0081	.0096	.0081	3.84
5.83	.2943	.0180	.2910	.0478	6.0833	.0329	.0097	.0082	.0097	.0081	5.83

TABLE CII.- FLAT-WING FORCE AND MOMENT DATA WITH FIXED TRANSITION

ALPHA, DEG	CN	CA	CL	CD	L/D	CM	CAC	QAB	CDC	CDB	ALPHA, DEG
M= 1.60, RE/M= 6.6 MILLION											
-.18	.0166	.0186	.0167	.0186	.8995	.0072	.0080	.0081	.0080	.0081	-.18
1.77	.1065	.0183	.1059	.0216	4.9049	.0157	.0082	.0082	.0082	.0082	1.77
3.79	.1999	.0187	.1982	.0318	6.2249	.0244	.0082	.0083	.0082	.0082	3.79
5.80	.2936	.0196	.2901	.0492	5.8943	.0327	.0084	.0083	.0083	.0083	5.80
M= 1.62, RE/M= 6.6 MILLION											
-1.22	-.0306	.0185	-.0302	.0191	-1.5790	.0027	.0078	.0081	.0078	.0081	-1.22
-.23	.0152	.0185	.0153	.0184	.8312	.0070	.0078	.0081	.0078	.0081	-.23
.79	.0629	.0185	.0627	.0194	3.2375	.0114	.0079	.0081	.0079	.0081	.79
1.78	.1073	.0182	.1067	.0216	4.9488	.0157	.0080	.0081	.0080	.0081	1.78
3.77	.1992	.0187	.1976	.0318	6.2146	.0241	.0080	.0081	.0080	.0081	3.77
5.78	.2913	.0197	.2878	.0490	5.8750	.0323	.0081	.0082	.0081	.0081	5.78
6.78	.3364	.0202	.3317	.0598	5.5468	.0361	.0082	.0082	.0082	.0081	6.78
8.81	.4276	.0213	.4193	.0865	4.8446	.0436	.0085	.0082	.0084	.0081	8.81
M= 1.70, RE/M= 6.6 MILLION											
-.18	.0185	.0182	.0186	.0181	1.0263	.0065	.0073	.0076	.0073	.0075	-.18
1.83	.1077	.0179	.1071	.0214	5.0127	.0148	.0075	.0076	.0075	.0076	1.83
3.81	.1949	.0185	.1933	.0314	6.1540	.0228	.0075	.0077	.0075	.0077	3.81
5.84	.2840	.0195	.2805	.0483	5.8107	.0305	.0076	.0078	.0075	.0078	5.84
M= 1.86, RE/M= 6.6 MILLION											
-.19	.0194	.0171	.0195	.0170	1.1423	.0057	.0063	.0070	.0063	.0069	-.19
1.81	.1034	.0173	.1028	.0206	4.9927	.0133	.0065	.0070	.0065	.0069	1.81
3.80	.1852	.0183	.1836	.0306	6.0079	.0206	.0066	.0070	.0066	.0069	3.80
5.80	.2665	.0193	.2632	.0462	5.7004	.0278	.0066	.0070	.0066	.0069	5.80
M= 2.00, RE/M= 6.6 MILLION											
-.30	.0069	.0168	.0070	.0168	.4161	.0040	.0058	.0063	.0058	.0062	-.30
1.72	.0874	.0172	.0868	.0198	4.3762	.0110	.0059	.0063	.0059	.0062	1.72
3.71	.1640	.0181	.1625	.0287	5.6702	.0177	.0060	.0063	.0060	.0062	3.71
5.71	.2409	.0190	.2378	.0428	5.5528	.0244	.0060	.0063	.0060	.0062	5.71

TABLE CIII.- CAMBERED-WING FORCE AND MOMENT DATA WITH FIXED TRANSITION

ALPHA, DEG	CN	CA	CL	CD	L/D	CM	CAC	CAB	CDC	CDB	ALPHA, DEG
M= 1.60, RE/M= 6.6 MILLION											
5.88	.1851	.0144	.1827	.0332	5.4947	.0219	.0090	.0074	.0089	.0073	5.88
7.90	.2806	.0083	.2768	.0468	5.9204	.0308	.0090	.0074	.0090	.0073	7.90
8.91	.3289	.0051	.3242	.0560	5.7882	.0352	.0091	.0074	.0090	.0073	8.91
9.91	.3765	.0021	.3706	.0669	5.5408	.0395	.0091	.0074	.0090	.0073	9.91
10.89	.4236	-.0008	.4161	.0792	5.2501	.0437	.0091	.0074	.0090	.0073	10.89
11.93	.4734	-.0036	.4639	.0943	4.9182	.0481	.0092	.0074	.0090	.0072	11.93
M= 1.62, RE/M= 6.6 MILLION											
-4.09	-.2736	.0413	-.2700	.0607	-4.4476	-.0180	.0090	.0072	.0090	.0072	-4.09
-2.03	-.1834	.0364	-.1819	.0429	-4.2376	-.0109	.0089	.0072	.0088	.0072	-2.03
-1.12	-.1434	.0341	-.1427	.0369	-3.8672	-.0077	.0089	.0072	.0089	.0072	-1.12
-.13	-.0978	.0315	-.0978	.0318	-3.0776	-.0039	.0090	.0072	.0090	.0072	-.13
.92	-.0466	.0287	-.0471	.0280	-1.6826	.0005	.0091	.0072	.0091	.0072	.92
1.91	-.0018	.0257	-.0027	.0257	-.1055	.0041	.0090	.0072	.0090	.0072	1.91
3.90	.0942	.0202	.0926	.0266	3.4827	.0131	.0089	.0072	.0088	.0072	3.90
4.91	.1407	.0175	.1387	.0294	4.7124	.0174	.0088	.0072	.0088	.0072	4.91
5.92	.1871	.0146	.1846	.0339	5.4503	.0217	.0068	.0072	.0088	.0072	5.92
7.93	.2813	.0087	.2774	.0474	5.8473	.0304	.0089	.0073	.0088	.0072	7.93
8.93	.3284	.0056	.3235	.0565	5.7224	.0347	.0089	.0073	.0088	.0072	8.93
9.40	.3504	.0042	.3451	.0614	5.6191	.0367	.0089	.0073	.0088	.0072	9.40
9.91	.3748	.0027	.3688	.0672	5.4917	.0389	.0089	.0073	.0088	.0072	9.91
10.91	.4225	-.0003	.4149	.0797	5.2080	.0431	.0090	.0074	.0088	.0072	10.91
11.97	.4726	-.0033	.4630	.0948	4.8352	.0475	.0090	.0074	.0088	.0072	11.97
M= 1.66, RE/M= 6.6 MILLION											
7.91	.2753	.0092	.2714	.0470	5.7802	.0293	.0085	.0069	.0084	.0068	7.91
8.92	.3222	.0063	.3173	.0562	5.6485	.0335	.0086	.0069	.0085	.0068	8.92
9.93	.3693	.0034	.3632	.0670	5.4180	.0377	.0066	.0069	.0085	.0068	9.93
10.93	.4162	.0006	.4085	.0795	5.1409	.0418	.0086	.0070	.0085	.0068	10.93
11.94	.4631	-.0021	.4535	.0937	4.8383	.0459	.0087	.0070	.0085	.0068	11.94

TABLE CIII.- Concluded

ALPHA, DEG	CN	CA	CL	CD	L/D	CM	CAC	CAB	CDC	CDB	ALPHA, DEG
M= 1.70, RE/M= 6.6 MILLION											
5.93	.1813	.0148	.1788	.0334	5.3485	.0200	.0083	.0066	.0082	.0066	5.93
7.93	.2707	.0094	.2668	.0467	5.7166	.0282	.0083	.0066	.0082	.0066	7.93
8.94	.3171	.0067	.3122	.0559	5.5873	.0323	.0083	.0067	.0082	.0066	8.94
9.93	.3622	.0040	.3561	.0664	5.3609	.0363	.0083	.0067	.0082	.0066	9.93
10.92	.4070	.0014	.3993	.0784	5.0918	.0402	.0083	.0068	.0082	.0066	10.92
11.93	.4529	-.0012	.4434	.0924	4.7986	.0441	.0084	.0068	.0082	.0067	11.93
M= 1.86, RE/M= 6.6 MILLION											
7.88	.2505	.0111	.2466	.0454	5.4344	.0251	.0074	.0060	.0073	.0059	7.88
8.90	.2936	.0088	.2887	.0541	5.3351	.0289	.0074	.0059	.0073	.0059	8.90
9.92	.3371	.0064	.3309	.0644	5.1393	.0327	.0073	.0059	.0072	.0058	9.92
10.90	.3785	.0043	.3708	.0758	4.8949	.0363	.0074	.0059	.0072	.0058	10.90
11.89	.4210	.0022	.4115	.0889	4.6286	.0399	.0074	.0059	.0073	.0057	11.89
M= 2.00, RE/M= 6.6 MILLION											
7.81	.2268	.0127	.2230	.0434	5.1424	.0215	.0068	.0053	.0067	.0053	7.81
8.83	.2674	.0107	.2626	.0516	5.0901	.0251	.0068	.0053	.0067	.0052	8.83
9.79	.3064	.0088	.3005	.0608	4.9451	.0286	.0068	.0053	.0067	.0052	9.79
10.81	.3474	.0068	.3399	.0719	4.7312	.0321	.0068	.0053	.0067	.0052	10.81
11.81	.3889	.0050	.3796	.0845	4.4924	.0357	.0069	.0053	.0067	.0052	11.81

1. Report No. NASA TP-2249	2. Government Accession No.	3. Recipient's Catalog No.		
4. Title and Subtitle BODY AND CANARD EFFECTS ON AN ATTACHED-FLOW MANEUVER WING AT MACH 1.62		5. Report Date February 1984		
7. Author(s) James L. Pittman, David S. Miller, and William H. Mason		6. Performing Organization Code 505-43-23-03		
9. Performing Organization Name and Address NASA Langley Research Center Hampton, VA 23665		8. Performing Organization Report No. L-15677		
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Washington, DC 20546		10. Work Unit No.		
15. Supplementary Notes James L. Pittman and David S. Miller: Langley Research Center, Hampton, Virginia. William H. Mason: Grumman Aerospace Corporation, Bethpage, New York.		11. Contract or Grant No.		
16. Abstract A wing-body-canard configuration was tested at a Mach number of 1.62 by using both a cambered and an uncambered wing. The cambered wing was designed to produce efficient high lift by using attached supercritical crossflow and was originally tested as an isolated wing. The uncambered wing had the same planform and essentially the same thickness distribution as the cambered wing. The present experiment determined the effects of a body and canards on both wings. The experimental data showed that both the body and the canards influenced the wing pressure levels, but that the attached supercritical crossflow, which was achieved in the isolated cambered-wing test, was maintained in the presence of a body and canards. Tables of experimental pressure, force, and moment data are included, as well as photographs of oil-flow patterns on the upper surface.				13. Type of Report and Period Covered Technical Paper
17. Key Words (Suggested by Author(s)) Supersonic flow Maneuver lift Attached flow Body and canard effects		18. Distribution Statement Unclassified - Unlimited	14. Sponsoring Agency Code	
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified	21. No. of Pages 148	22. Price A07

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